

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\  
 Data File : VN064363.D  
 Acq On : 28 Oct 2020 19:31  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/29/2020 12:01:44 PM

Quant Time: Oct 29 03:56:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 27 12:23:17 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.62  | 168  | 264937   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.55  | 114  | 432453   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.38 | 117  | 398757   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.32 | 152  | 177330   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |        |      |
|---------------------------|--------|-----|----------|-------|--------|------|
| 33) 1,2-Dichloroethane-d4 | 7.99   | 65  | 203087   | 47.70 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 95.40% |      |
| 35) Dibromofluoromethane  | 7.55   | 113 | 143031   | 49.60 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.20% |      |
| 50) Toluene-d8            | 10.06  | 98  | 501189   | 46.98 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.96% |      |
| 62) 4-Bromofluorobenzene  | 12.38  | 95  | 194699   | 46.81 | ug/l   | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 93.62% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.83 | 85  | 144948  | 47.595  | ug/l | 98     |
| 3) Chloromethane              | 2.04 | 50  | 148132  | 44.996  | ug/l | 97     |
| 4) Vinyl Chloride             | 2.16 | 62  | 152154  | 47.782  | ug/l | 99     |
| 5) Bromomethane               | 2.51 | 94  | 66776   | 32.454  | ug/l | 99     |
| 6) Chloroethane               | 2.66 | 64  | 94246   | 49.532  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 2.98 | 101 | 249104  | 46.696  | ug/l | 95     |
| 8) Diethyl Ether              | 3.37 | 74  | 86138   | 51.043  | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluoroet | 3.72 | 101 | 125135  | 46.671  | ug/l | 97     |
| 10) Methyl Iodide             | 3.91 | 142 | 111667  | 31.210  | ug/l | 99     |
| 11) Tert butyl alcohol        | 4.73 | 59  | 122923  | 198.890 | ug/l | 95     |
| 12) 1,1-Dichloroethene        | 3.69 | 96  | 125227  | 49.474  | ug/l | 99     |
| 13) Acrolein                  | 3.56 | 56  | 28922   | 218.072 | ug/l | 96     |
| 14) Allyl chloride            | 4.27 | 41  | 247307  | 47.850  | ug/l | 99     |
| 15) Acrylonitrile             | 4.93 | 53  | 323501  | 243.400 | ug/l | 97     |
| 16) Acetone                   | 3.78 | 43  | 305722  | 209.434 | ug/l | 99     |
| 17) Carbon Disulfide          | 4.01 | 76  | 339858  | 45.382  | ug/l | 99     |
| 18) Methyl Acetate            | 4.28 | 43  | 153884  | 48.115  | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 4.99 | 73  | 488426  | 50.222  | ug/l | 98     |
| 20) Methylene Chloride        | 4.50 | 84  | 144870  | 47.980  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene  | 4.99 | 96  | 136142  | 48.215  | ug/l | 95     |
| 22) Diisopropyl ether         | 5.90 | 45  | 500699  | 49.564  | ug/l | 99     |
| 23) Vinyl Acetate             | 5.84 | 43  | 2197842 | 257.160 | ug/l | 99     |
| 24) 1,1-Dichloroethane        | 5.80 | 63  | 272972  | 48.289  | ug/l | 99     |
| 25) 2-Butanone                | 6.78 | 43  | 487286  | 227.949 | ug/l | 99     |
| 26) 2,2-Dichloropropane       | 6.78 | 77  | 240555  | 43.481  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 6.78 | 96  | 161953  | 50.117  | ug/l | 98     |
| 28) Bromochloromethane        | 7.15 | 49  | 132315  | 49.128  | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.16 | 42  | 325519  | 234.561 | ug/l | 100    |
| 30) Chloroform                | 7.33 | 83  | 297070  | 49.234  | ug/l | 99     |
| 31) Cyclohexane               | 7.61 | 56  | 196005  | 39.667  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane     | 7.53 | 97  | 271067  | 46.784  | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.75 | 75  | 207190  | 47.472  | ug/l | 99     |
| 37) Ethyl Acetate             | 6.88 | 43  | 202295  | 45.887  | ug/l | 96     |
| 38) Carbon Tetrachloride      | 7.73 | 117 | 249453  | 49.300  | ug/l | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\  
 Data File : VN064363.D  
 Acq On : 28 Oct 2020 19:31  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 10/29/2020 12:01:44 PM

Quant Time: Oct 29 03:56:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 27 12:23:17 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.05  | 83   | 166218   | 38.409  | ug/l   | 99       |
| 40) Benzene                    | 8.00  | 78   | 581669   | 47.880  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.12  | 41   | 97929    | 44.749  | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 8.08  | 62   | 259768   | 49.500  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.13  | 43   | 384231   | 50.986  | ug/l # | 89       |
| 44) Trichloroethene            | 8.80  | 130  | 155364   | 48.819  | ug/l   | 97       |
| 45) 1,2-Dichloropropane        | 9.08  | 63   | 156141   | 47.996  | ug/l   | 99       |
| 46) Dibromomethane             | 9.17  | 93   | 112922   | 49.617  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.37  | 83   | 241469   | 47.875  | ug/l   | 97       |
| 48) Methyl methacrylate        | 9.16  | 41   | 191580   | 49.273  | ug/l   | 99       |
| 49) 1,4-Dioxane                | 9.16  | 88   | 38903    | 678.837 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 9.95  | 43   | 1089369  | 248.682 | ug/l   | 100      |
| 52) Toluene                    | 10.13 | 92   | 369834   | 48.243  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.35 | 75   | 268413   | 50.331  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.81  | 75   | 269391   | 49.072  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.53 | 97   | 153477   | 50.719  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.40 | 69   | 235839   | 51.485  | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.68 | 76   | 261431   | 50.647  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.66  | 63   | 569614   | 227.878 | ug/l   | 98       |
| 59) 2-Hexanone                 | 10.72 | 43   | 793791   | 246.038 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.87 | 129  | 187518   | 52.411  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 10.98 | 107  | 160034   | 51.903  | ug/l   | 96       |
| 64) Tetrachloroethene          | 10.60 | 164  | 134041   | 40.899  | ug/l   | 98       |
| 65) Chlorobenzene              | 11.41 | 112  | 397900   | 49.220  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.48 | 131  | 162375   | 49.694  | ug/l   | 98       |
| 67) Ethyl Benzene              | 11.48 | 91   | 699313   | 46.529  | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.59 | 106  | 518225   | 93.042  | ug/l   | 98       |
| 69) o-Xylene                   | 11.92 | 106  | 255563   | 47.626  | ug/l   | 96       |
| 70) Styrene                    | 11.94 | 104  | 440448   | 50.062  | ug/l   | 99       |
| 71) Bromoform                  | 12.10 | 173  | 129301   | 50.420  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.22 | 105  | 628670   | 47.334  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.05 | 43   | 331542   | 56.713  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.48 | 83   | 205576   | 53.250  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.53 | 75   | 203334m  | 47.882  | ug/l   |          |
| 77) Bromobenzene               | 12.50 | 156  | 169187   | 52.021  | ug/l   | 99       |
| 78) n-propylbenzene            | 12.57 | 91   | 699525   | 46.522  | ug/l   | 100      |
| 79) 2-Chlorotoluene            | 12.65 | 91   | 460300   | 47.888  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.71 | 105  | 524263   | 46.650  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-buten | 12.27 | 75   | 76326    | 51.773  | ug/l   | 98       |
| 82) 4-Chlorotoluene            | 12.75 | 91   | 479241   | 48.942  | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.97 | 119  | 414449   | 44.942  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.01 | 105  | 525355   | 46.785  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 13.14 | 105  | 511848   | 42.891  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.26 | 119  | 472219   | 43.923  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.26 | 146  | 278579   | 48.929  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 13.34 | 146  | 274507   | 47.338  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.59 | 91   | 404040   | 42.660  | ug/l   | 97       |
| 90) Hexachloroethane           | 13.85 | 117  | 89782    | 44.466  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene        | 13.63 | 146  | 275519   | 48.674  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 14.24 | 75   | 48979    | 51.130  | ug/l   | 94       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102820\  
Data File : VN064363.D  
Acq On : 28 Oct 2020 19:31  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

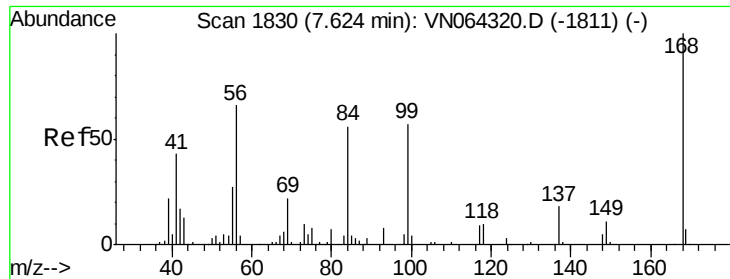
MMDadoda  
10/29/2020 12:01:44 PM

Quant Time: Oct 29 03:56:17 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N102720W.M  
Quant Title : SW846 8260  
QLast Update : Tue Oct 27 12:23:17 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.88 | 180  | 134643   | 41.735 | ug/l  | 98       |
| 94) Hexachlorobutadiene    | 14.98 | 225  | 66278    | 38.155 | ug/l  | 98       |
| 95) Naphthalene            | 15.10 | 128  | 415362   | 41.844 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 15.28 | 180  | 127202   | 40.976 | ug/l  | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 264937

Ion Ratio Lower Upper

168 100

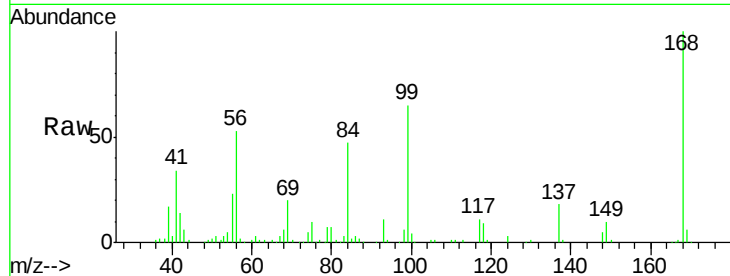
99 65.1 52.7 79.1

Manual Integrations

APPROVED

MMDadoda

10/29/2020 12:01:44 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

120000

100000

80000

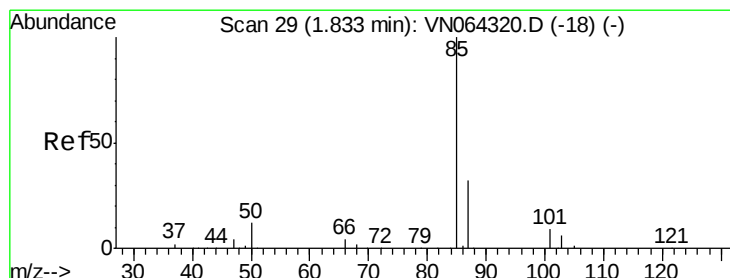
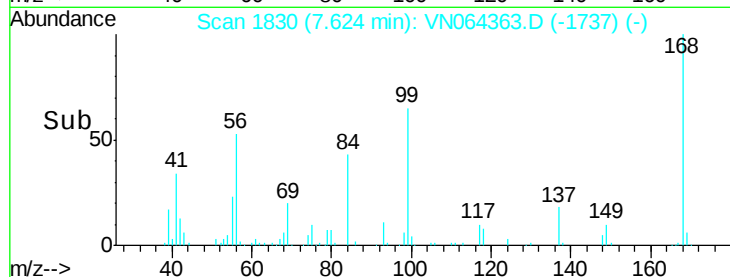
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.595 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064363.D

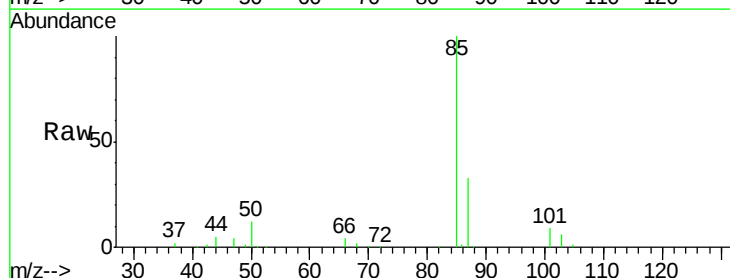
Acq: 28 Oct 2020 19:31

Tgt Ion: 85 Resp: 144948

Ion Ratio Lower Upper

85 100

87 33.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

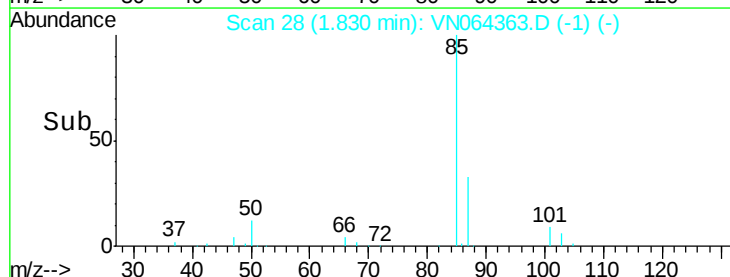
60000

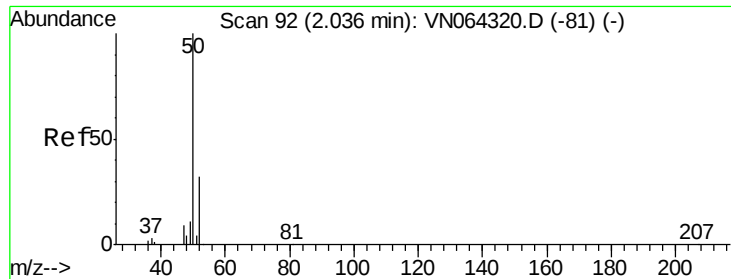
40000

20000

0

Time-->





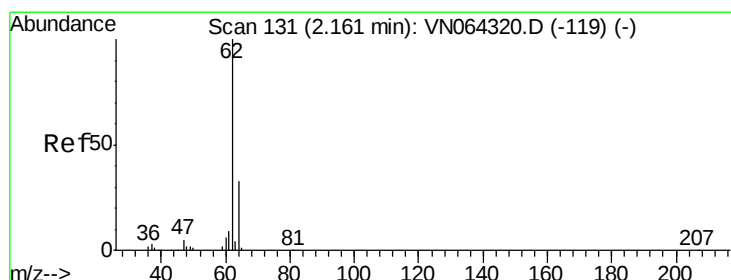
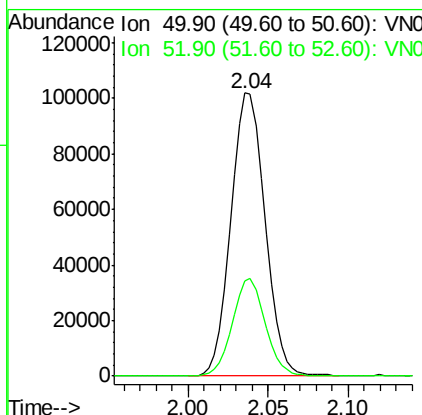
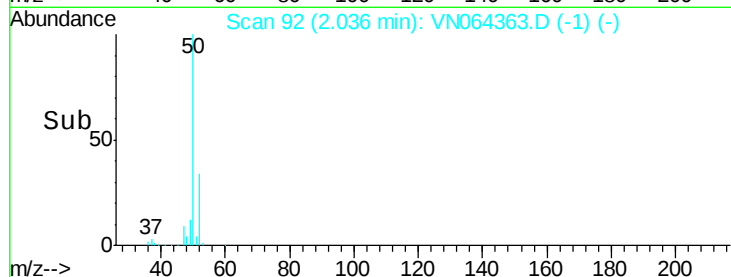
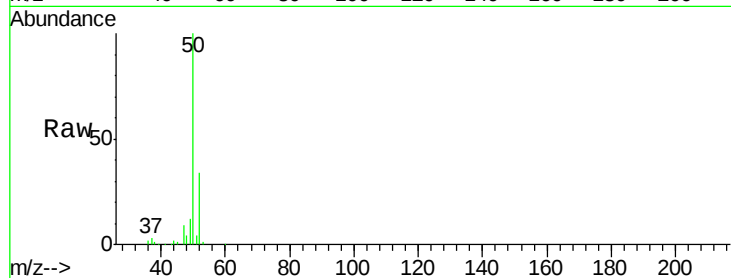
#3  
Chloromethane  
Concen: 44.996 ug/l  
RT: 2.04 min Scan# 92  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 50      | 100   |       |       |
| 52      | 33.6  | 25.6  | 38.4  |

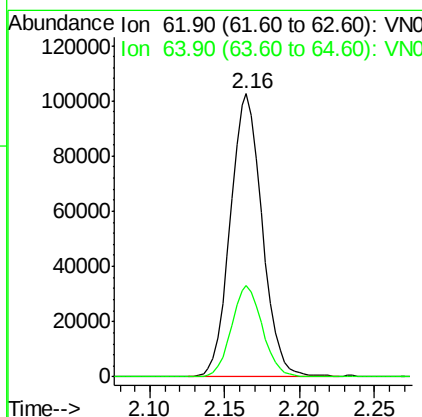
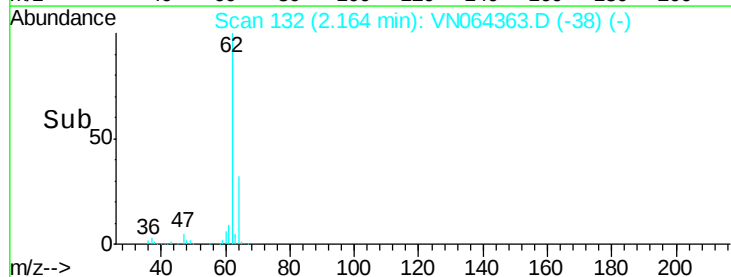
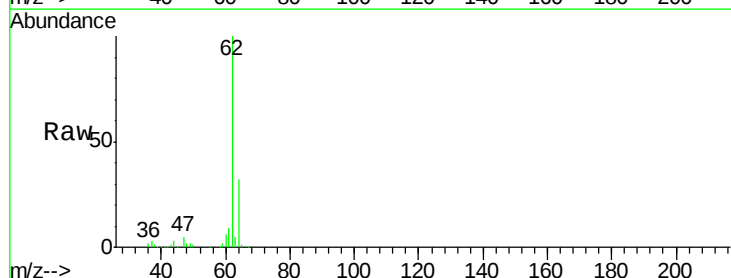
Manual Integrations  
APPROVED

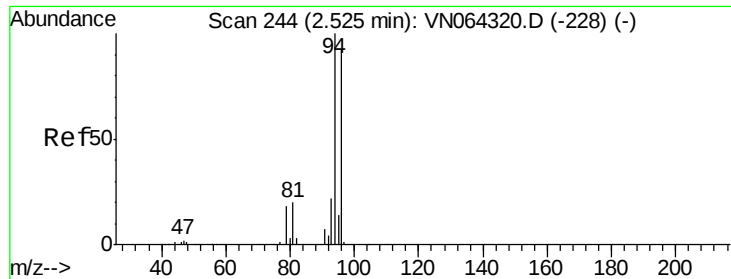
MMDadoda  
10/29/2020 12:01:44 PM



#4  
Vinyl Chloride  
Concen: 47.782 ug/l  
RT: 2.16 min Scan# 132  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 64      | 32.2  | 26.2  | 39.4  |





#5

Bromomethane

Concen: 32.454 ug/l

RT: 2.51 min Scan# 240

Delta R.T. -0.01 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 66776

Ion Ratio Lower Upper

94 100

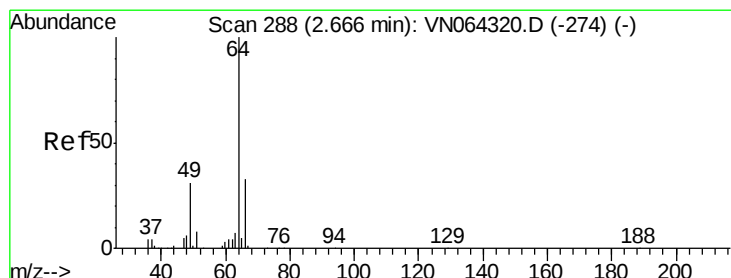
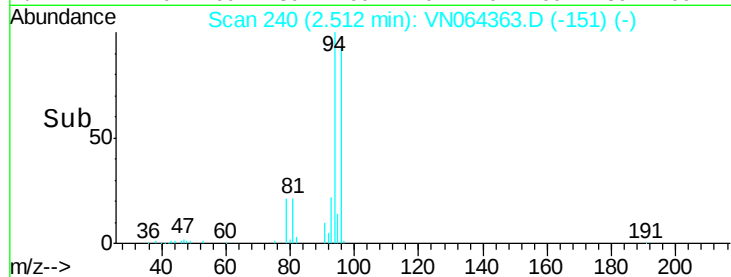
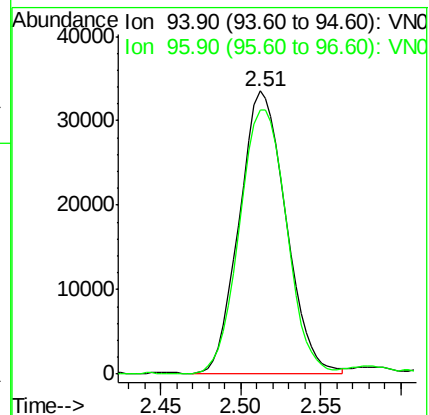
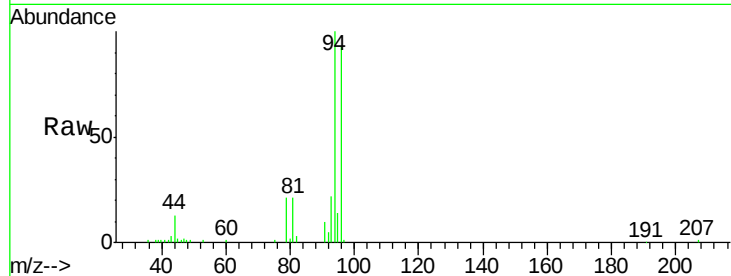
96 93.3 73.6 110.4

Manual Integrations

APPROVED

MMDadoda

10/29/2020 12:01:44 PM



#6

Chloroethane

Concen: 49.532 ug/l

RT: 2.66 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN064363.D

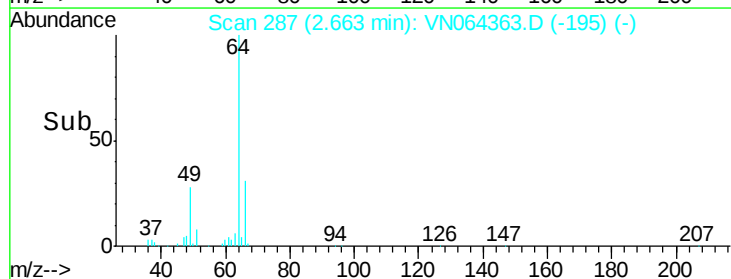
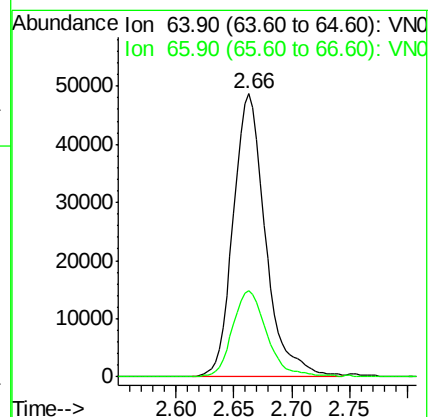
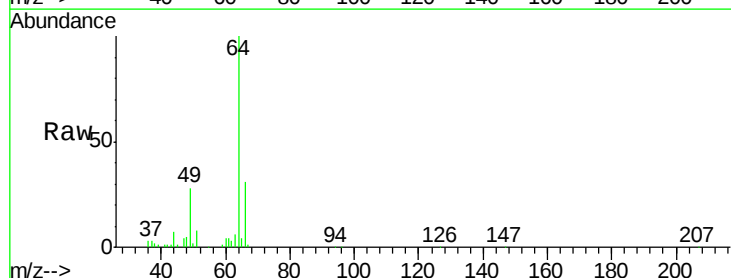
Acq: 28 Oct 2020 19:31

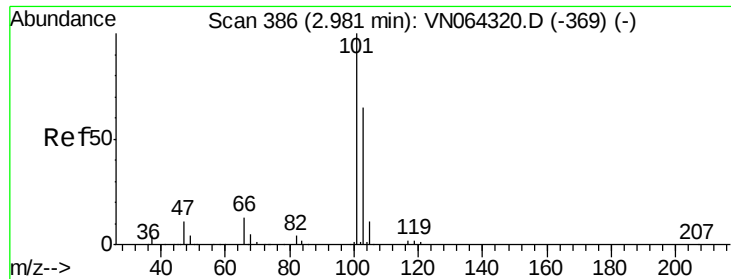
Tgt Ion: 64 Resp: 94246

Ion Ratio Lower Upper

64 100

66 30.6 26.5 39.7





#7

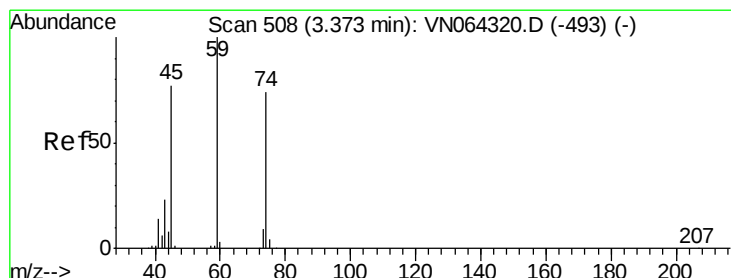
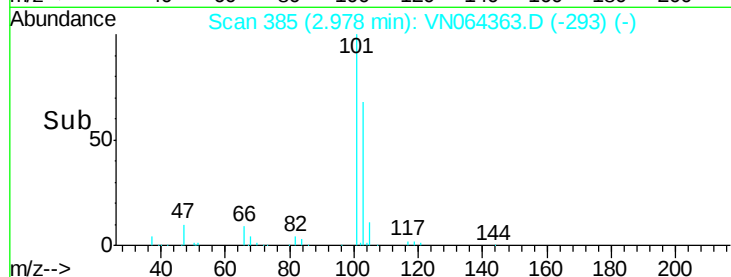
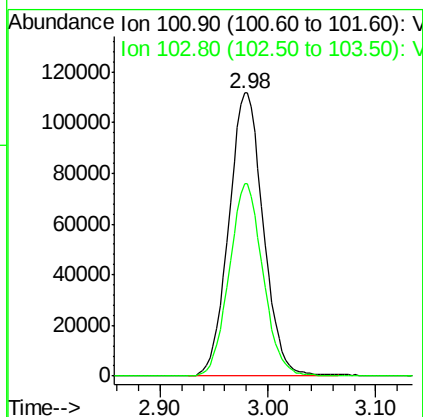
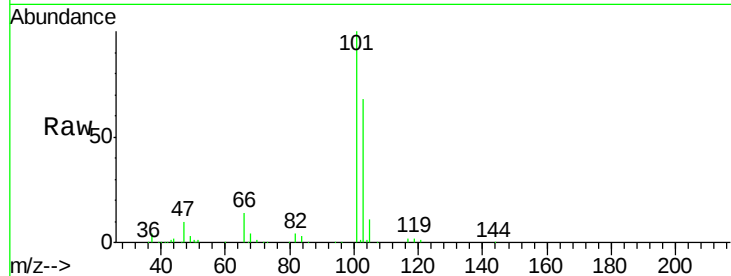
Trichlorofluoromethane  
 Concen: 46.696 ug/l  
 RT: 2.98 min Scan# 385  
 Delta R.T. -0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 68.2  | 51.7  | 77.5  |

Manual Integrations  
 APPROVED

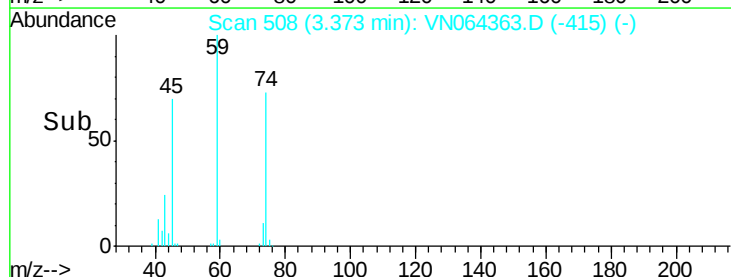
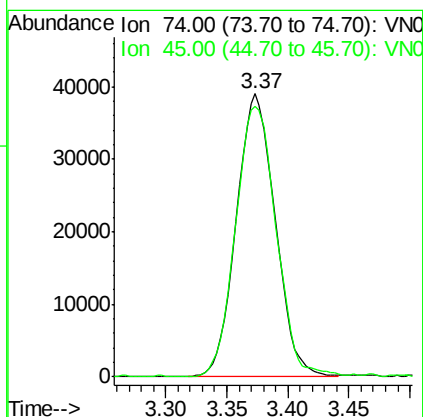
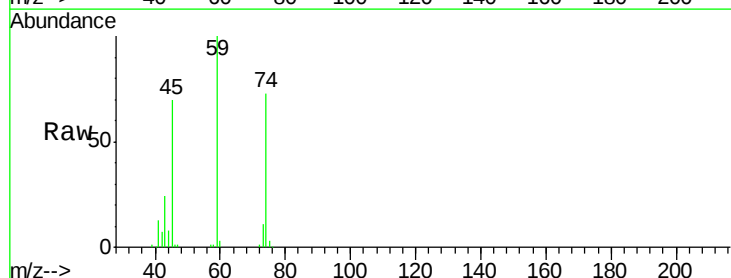
MMDadoda  
 10/29/2020 12:01:44 PM

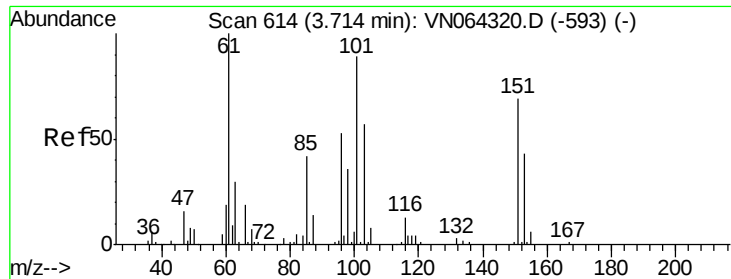


#8

Diethyl Ether  
 Concen: 51.043 ug/l  
 RT: 3.37 min Scan# 508  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 99.9  | 51.3  | 154.0 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.671 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

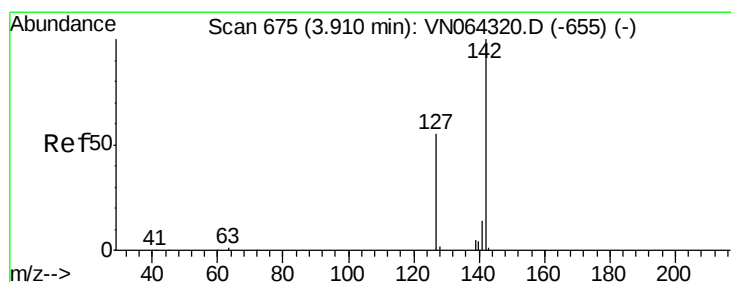
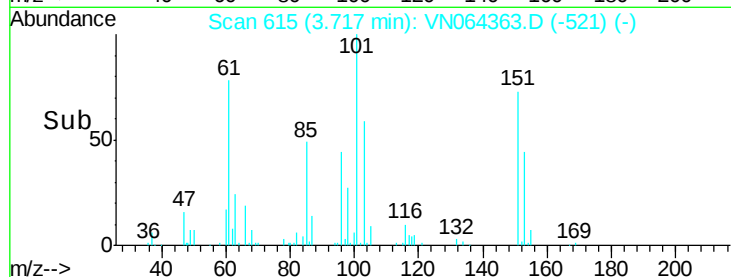
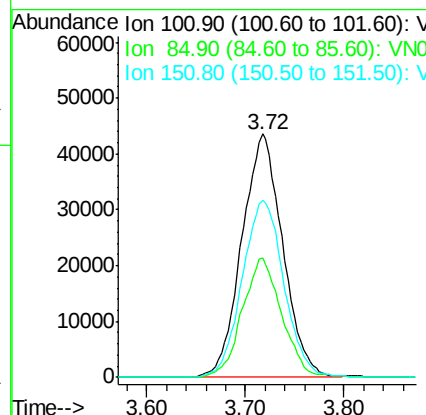
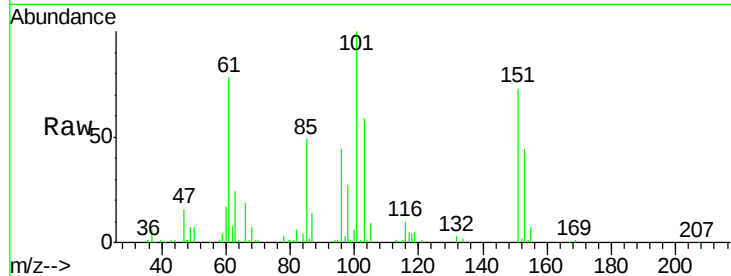
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 125135 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 47.4  | 38.4  | 57.6   |
| 151       | 74.2  | 62.0  | 93.0   |

Manual Integrations  
APPROVED

MMDadoda  
10/29/2020 12:01:44 PM



#10

Methyl Iodide

Concen: 31.210 ug/l

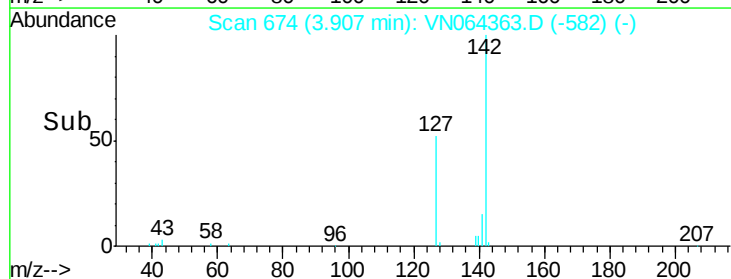
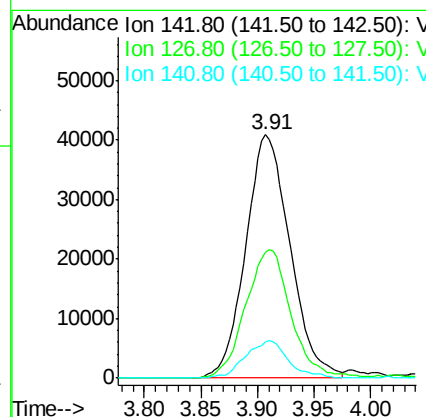
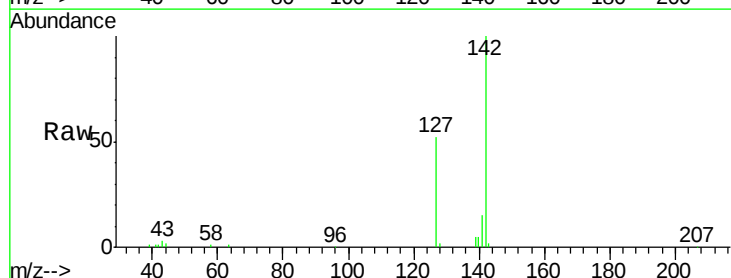
RT: 3.91 min Scan# 674

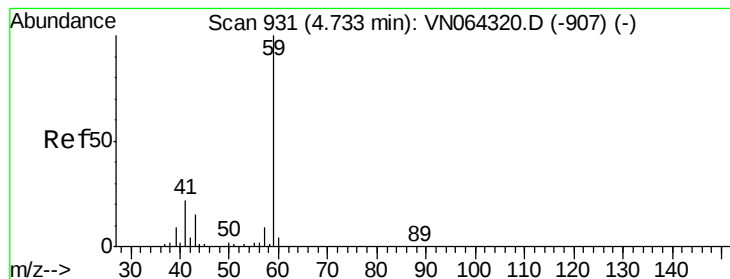
Delta R.T. -0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 111667 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 53.7  | 43.3  | 64.9   |
| 141       | 14.9  | 11.5  | 17.3   |





#11

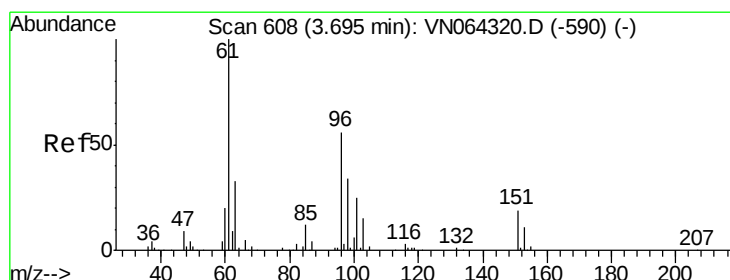
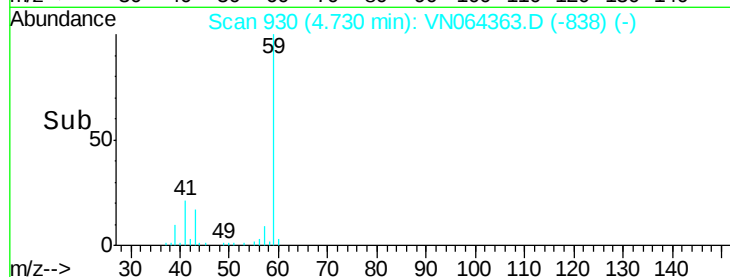
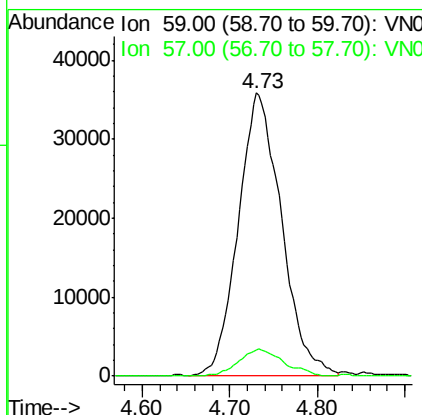
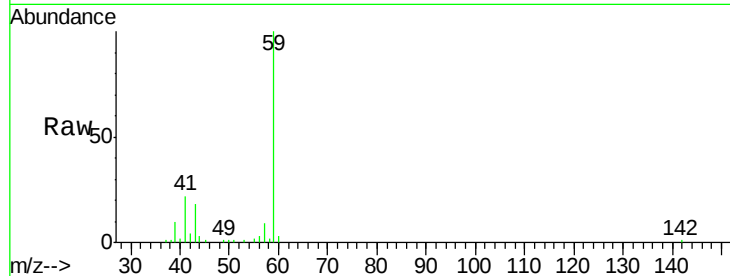
Tert butyl alcohol  
 Concen: 198.890 ug/l  
 RT: 4.73 min Scan# 930  
 Delta R.T. -0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 59      | 100   | 122923 |       |       |
| 57      | 9.9   |        | 9.4   | 14.0  |

Manual Integrations  
 APPROVED

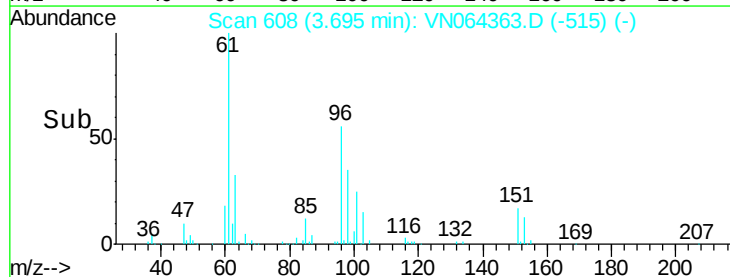
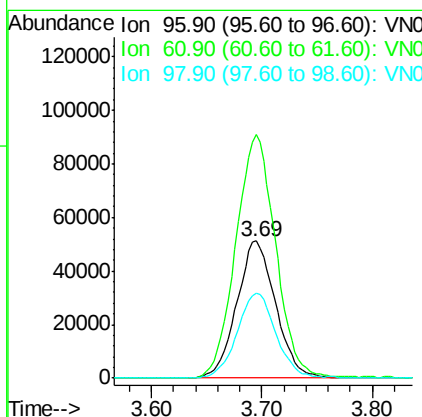
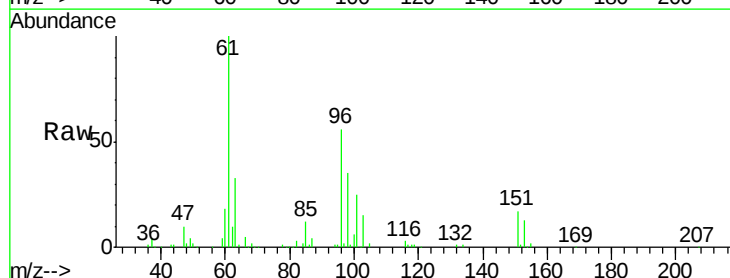
MMDadoda  
 10/29/2020 12:01:44 PM

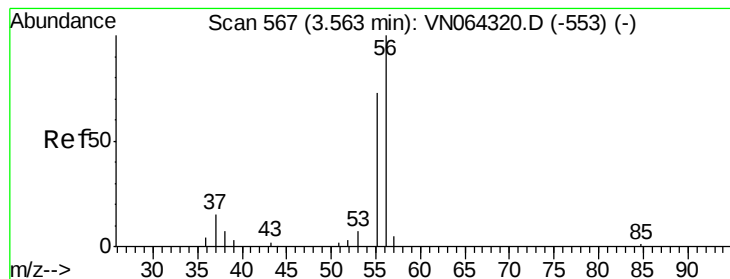


#12

1,1-Dichloroethene  
 Concen: 49.474 ug/l  
 RT: 3.69 min Scan# 608  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 96      | 100   | 125227 |       |       |
| 61      | 178.0 |        | 143.6 | 215.4 |
| 98      | 62.5  |        | 48.6  | 73.0  |





#13

Acrolein

Concen: 218.072 ug/l

RT: 3.56 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 28922

Ion Ratio Lower Upper

56 100

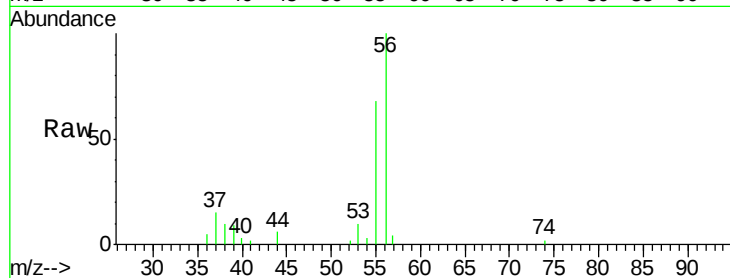
55 75.0 62.6 94.0

Manual Integrations

APPROVED

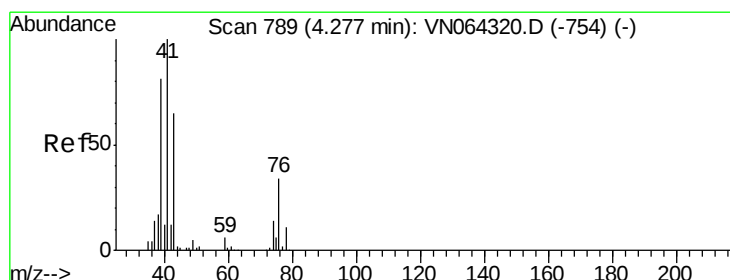
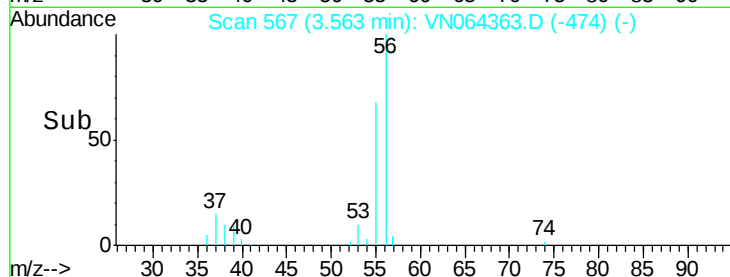
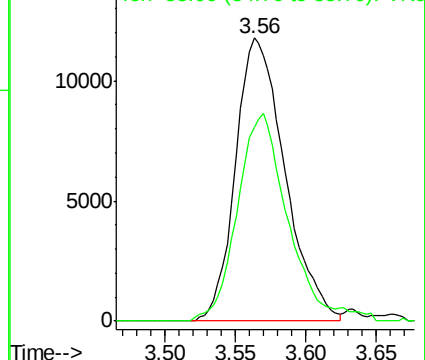
MMDadoda

10/29/2020 12:01:44 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.850 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

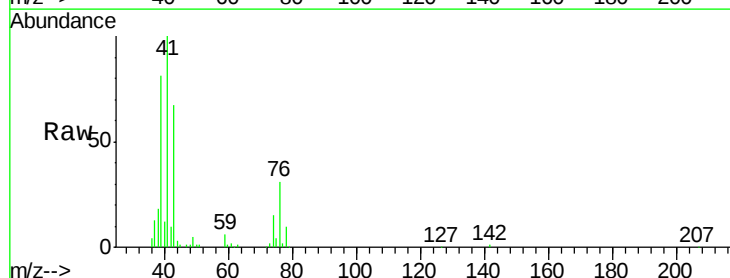
Tgt Ion: 41 Resp: 247307

Ion Ratio Lower Upper

41 100

39 76.1 61.7 92.5

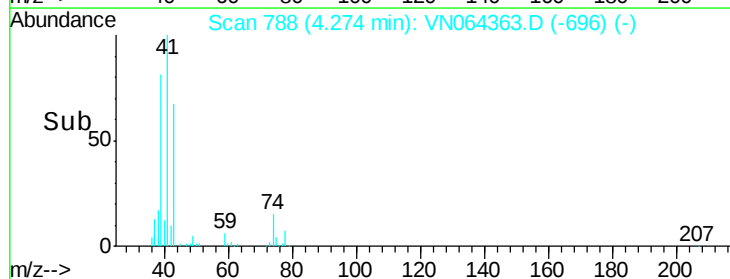
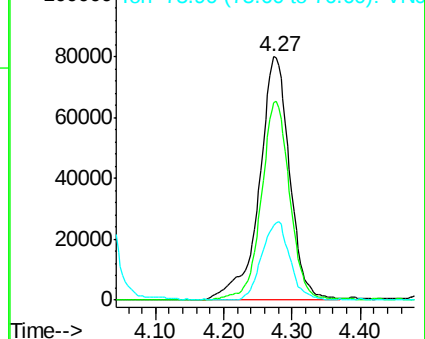
76 29.7 24.0 36.0

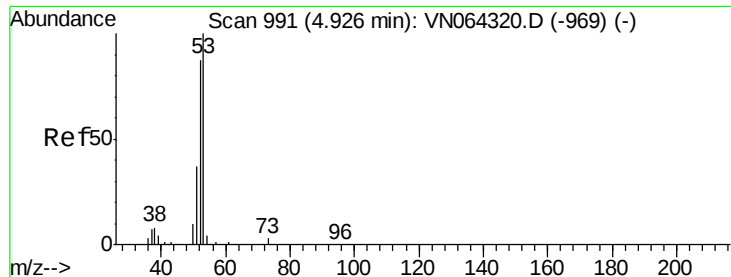


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 243.400 ug/l

RT: 4.93 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

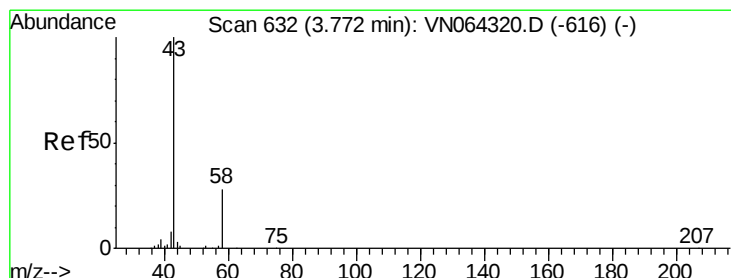
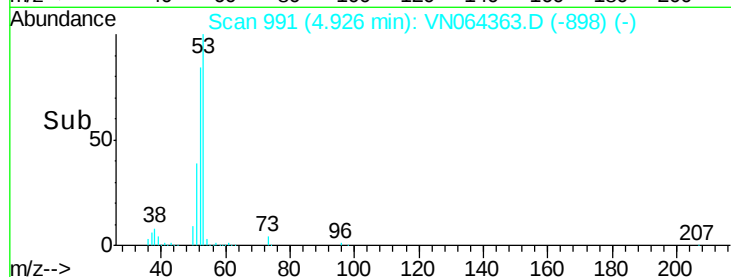
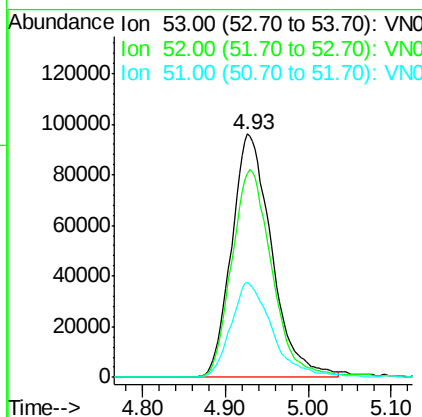
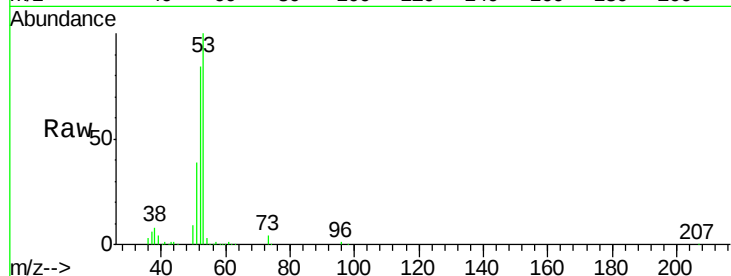
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 323501 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 84.9  | 65.9  | 98.9   |
| 51       | 40.0  | 30.4  | 45.6   |

Manual Integrations  
APPROVED

MMDadoda  
10/29/2020 12:01:44 PM



#16

Acetone

Concen: 209.434 ug/l

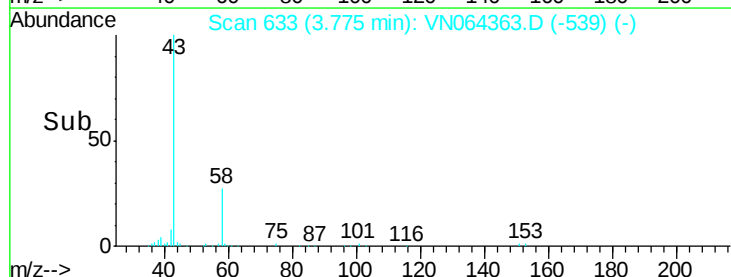
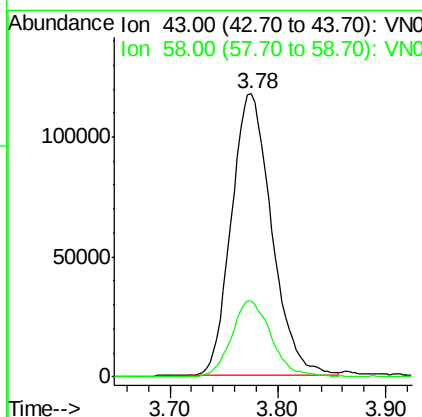
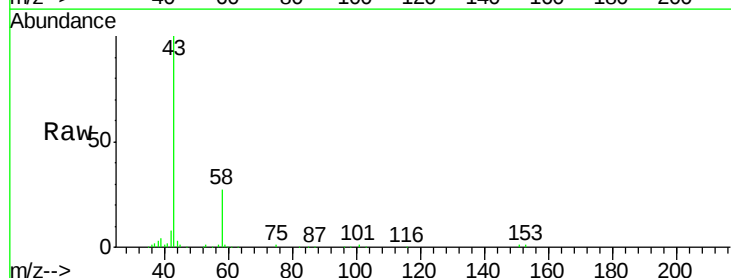
RT: 3.78 min Scan# 633

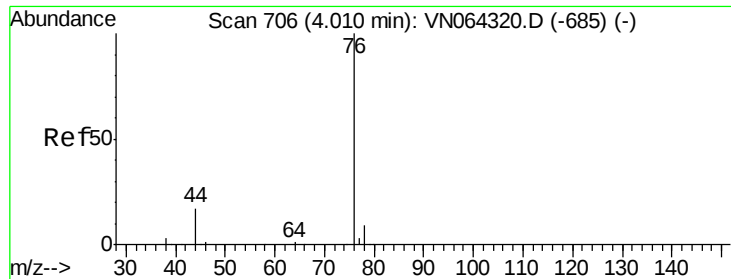
Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 305722 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 26.9  | 22.1  | 33.1   |





#17

Carbon Disulfide

Concen: 45.382 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 339858

Ion Ratio Lower Upper

76 100

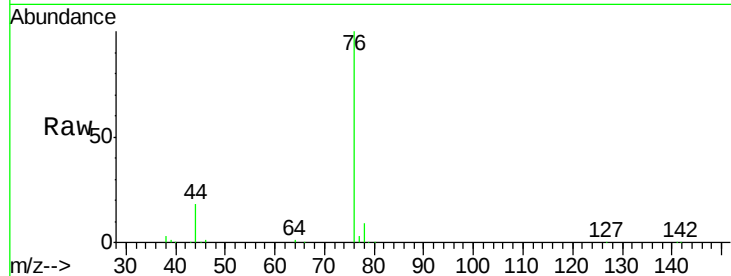
78 9.4 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

10/29/2020 12:01:44 PM



Abundance Ion 75.90 (75.60 to 76.60): VN064320.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN064320.D (-685) (-)

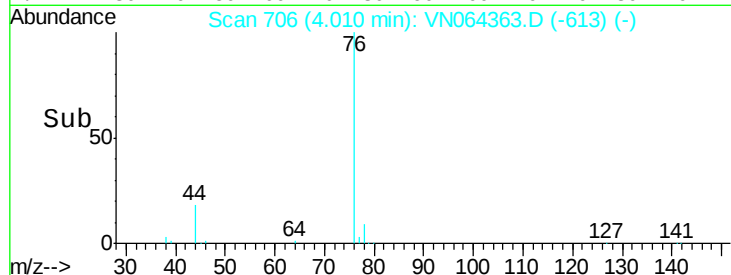
150000

100000

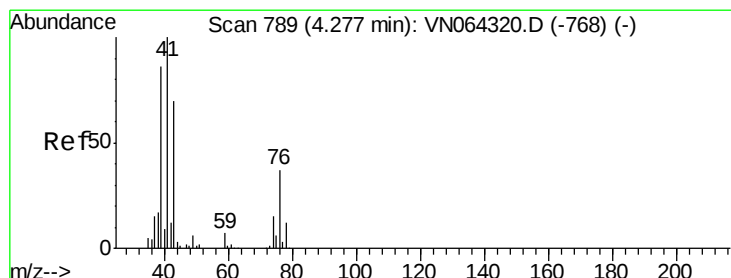
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 48.115 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064363.D

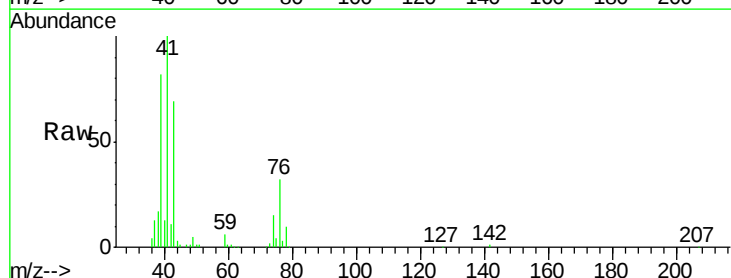
Acq: 28 Oct 2020 19:31

Tgt Ion: 43 Resp: 153884

Ion Ratio Lower Upper

43 100

74 21.7 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VN064320.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN064320.D (-768) (-)

60000

50000

40000

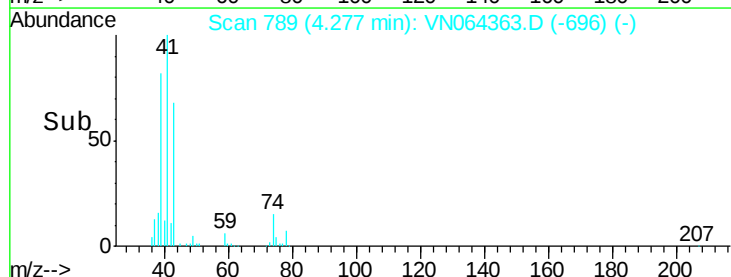
30000

20000

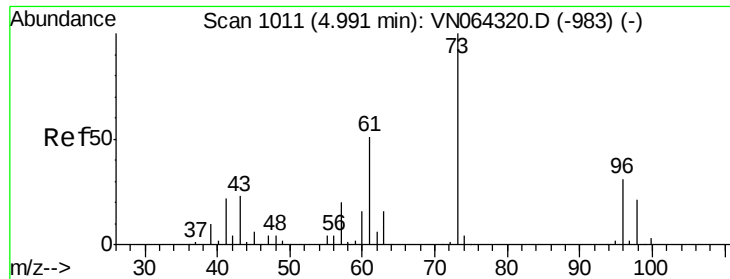
10000

0

Time-->



Time-->



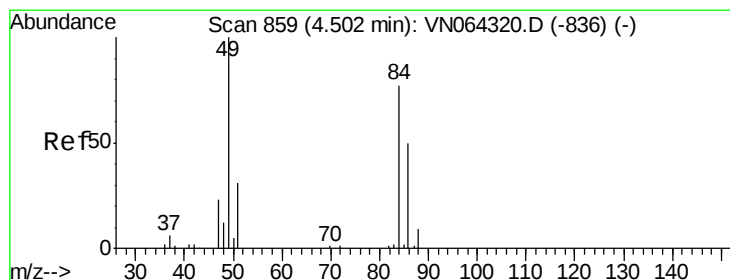
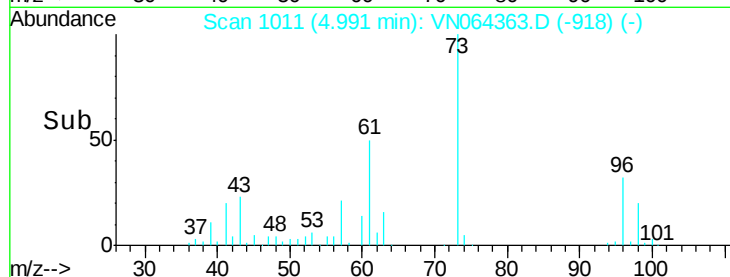
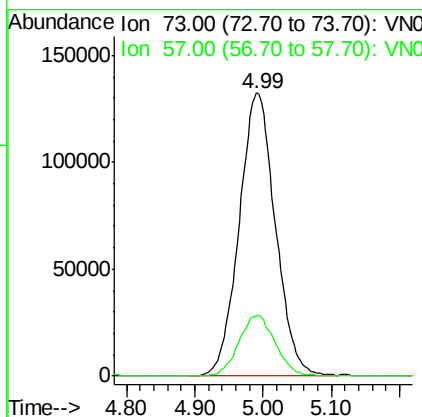
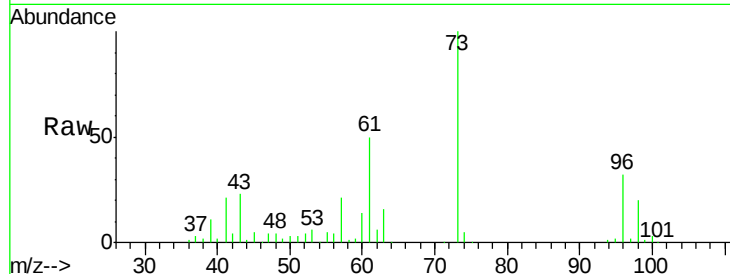
#19  
Methyl tert-butyl Ether  
Concen: 50.222 ug/l  
RT: 4.99 min Scan# 1011  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 488426  
Ion Ratio Lower Upper  
73 100  
57 21.2 16.1 24.1

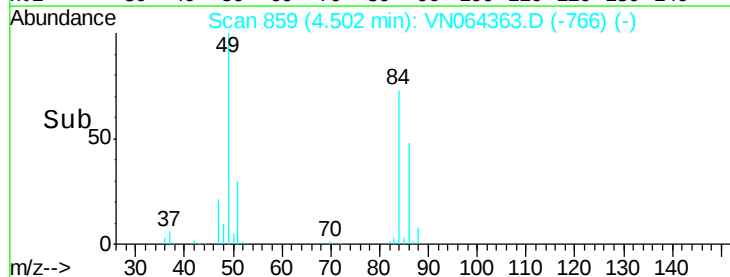
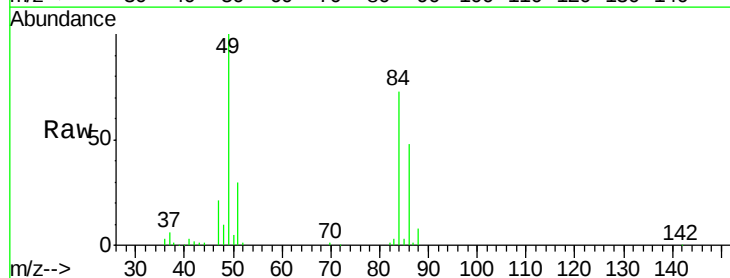
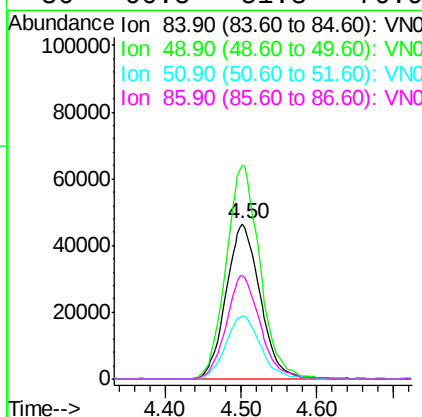
Manual Integrations  
APPROVED

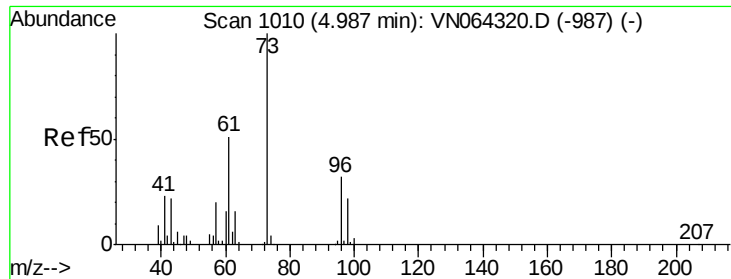
MMDadoda  
10/29/2020 12:01:44 PM



#20  
Methylene Chloride  
Concen: 47.980 ug/l  
RT: 4.50 min Scan# 859  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Tgt Ion: 84 Resp: 144870  
Ion Ratio Lower Upper  
84 100  
49 137.4 103.6 155.4  
51 40.6 31.8 47.8  
86 66.5 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 48.215 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

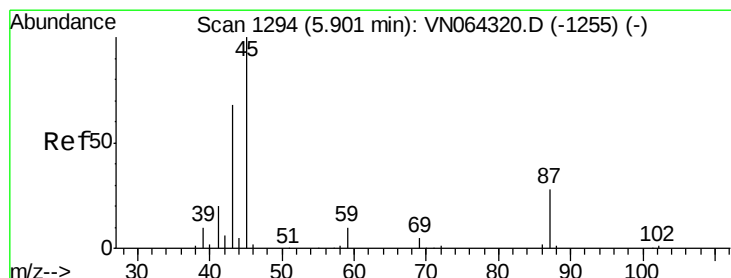
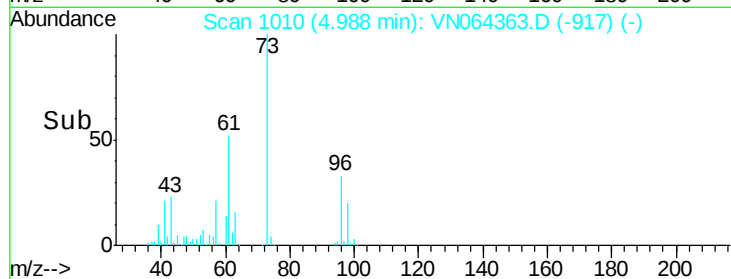
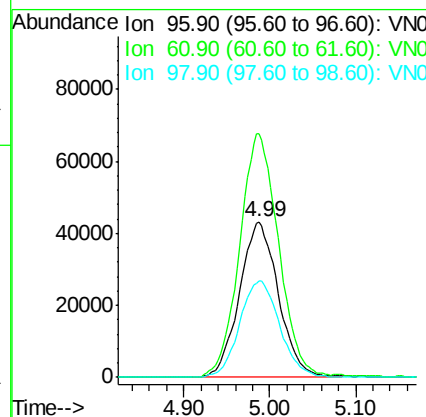
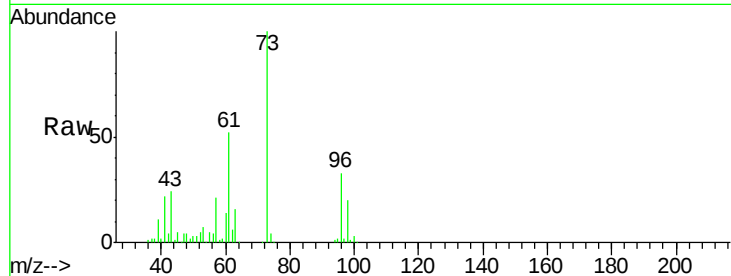
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 136142 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 156.4 | 128.2 | 192.2  |
| 98       | 61.7  | 56.1  | 84.1   |

Manual Integrations  
APPROVED

MMDadoda  
10/29/2020 12:01:44 PM



#22

Diisopropyl ether

Concen: 49.564 ug/l

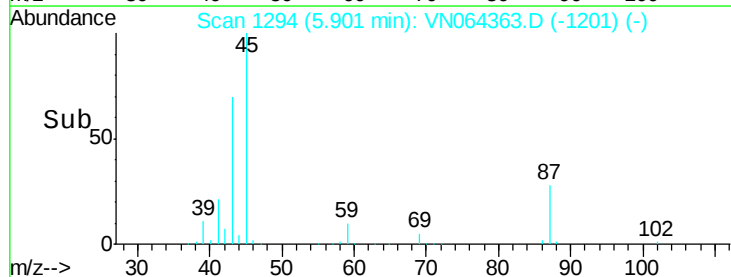
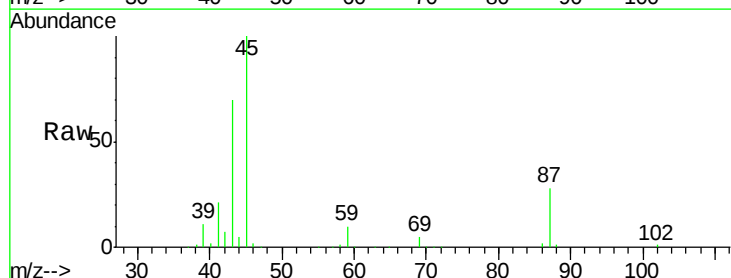
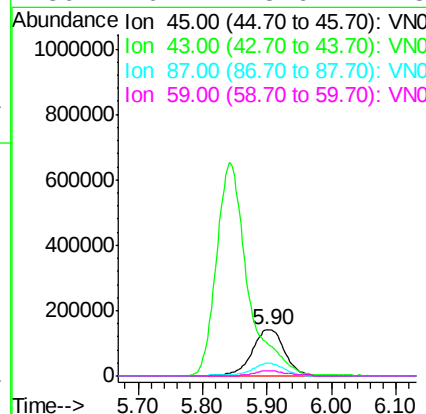
RT: 5.90 min Scan# 1294

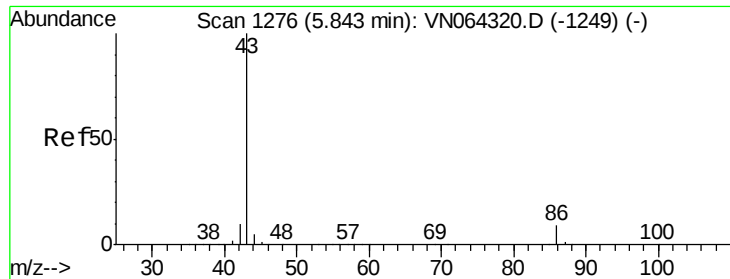
Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 500699 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 68.5  | 54.6  | 82.0   |
| 87       | 27.4  | 22.6  | 33.8   |
| 59       | 10.2  | 8.6   | 12.8   |





#23

Vinyl Acetate

Concen: 257.160 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2197842

Ion Ratio Lower Upper

43 100

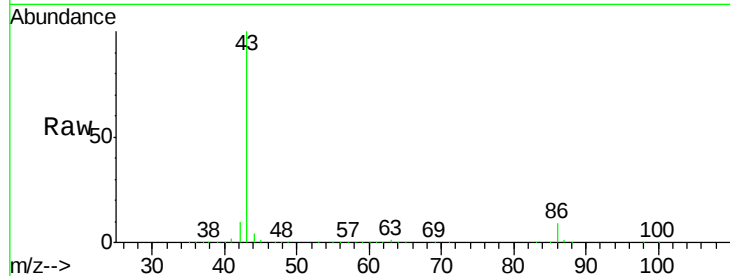
86 9.3 7.3 10.9

Manual Integrations

APPROVED

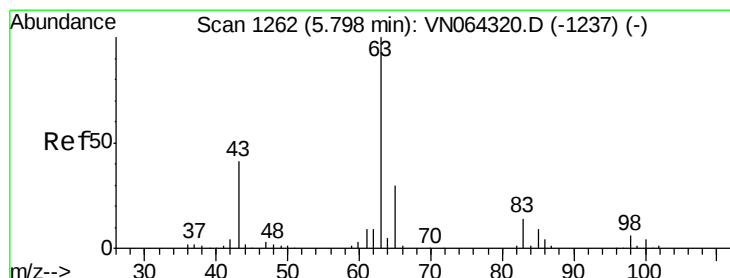
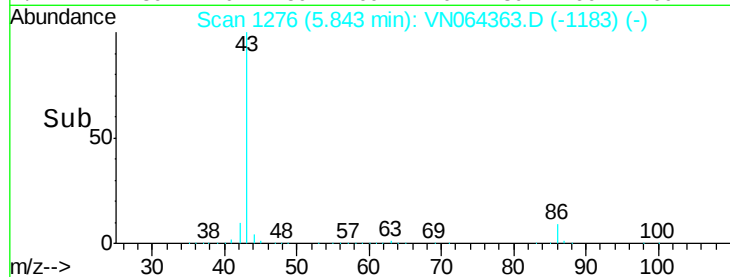
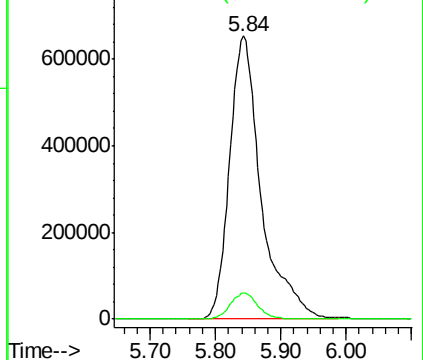
MMDadoda

10/29/2020 12:01:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.289 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

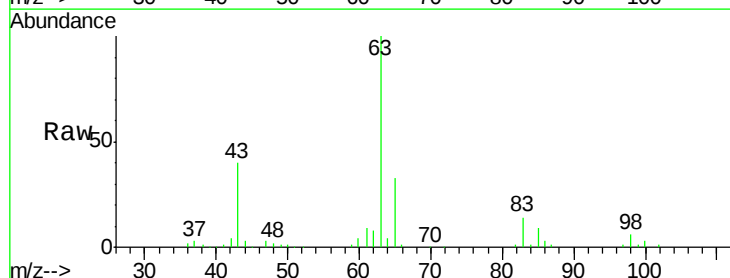
Tgt Ion: 63 Resp: 272972

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.4

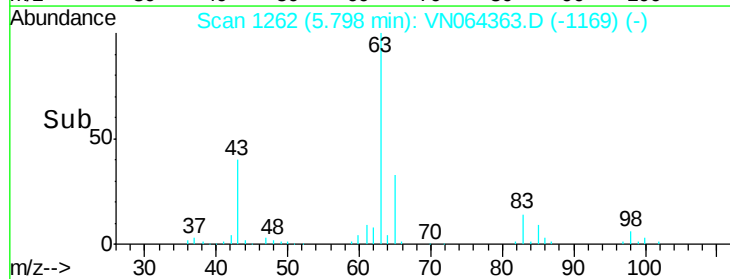
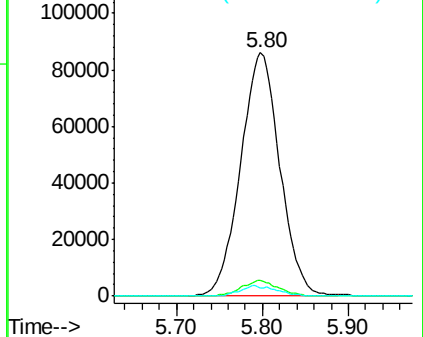
100 3.4 2.0 5.8

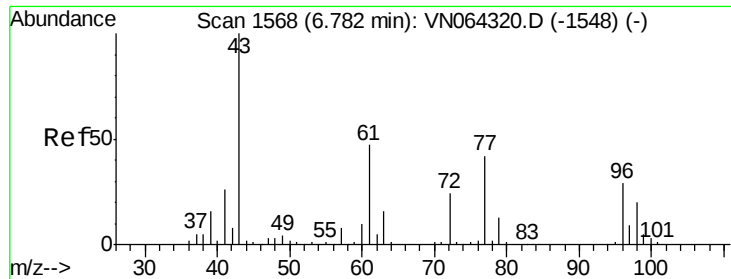


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





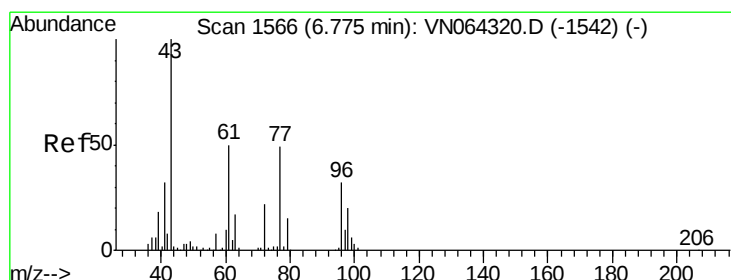
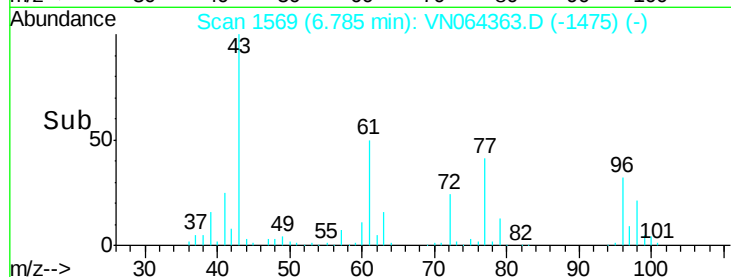
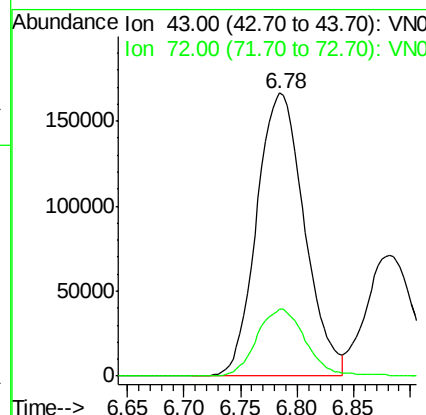
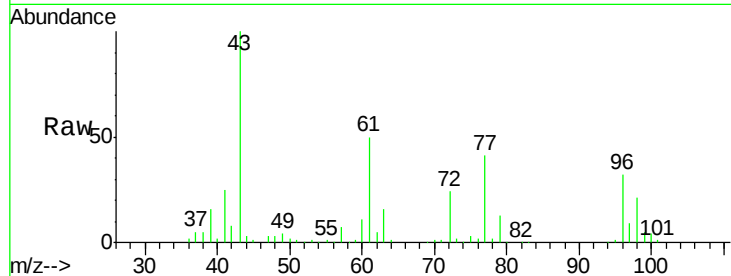
#25  
2-Butanone  
Concen: 227.949 ug/l  
RT: 6.78 min Scan# 1569  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 487286  
Ion Ratio Lower Upper  
43 100  
72 23.8 18.8 28.2

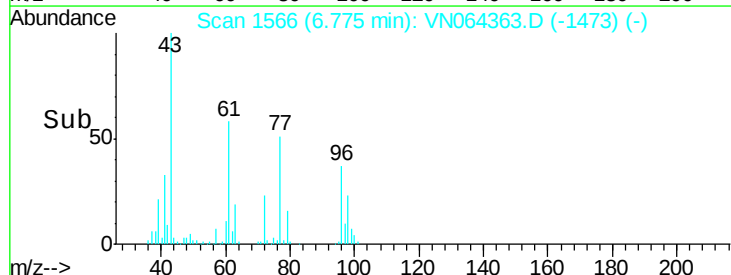
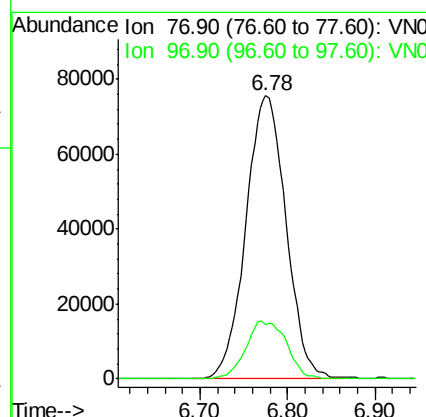
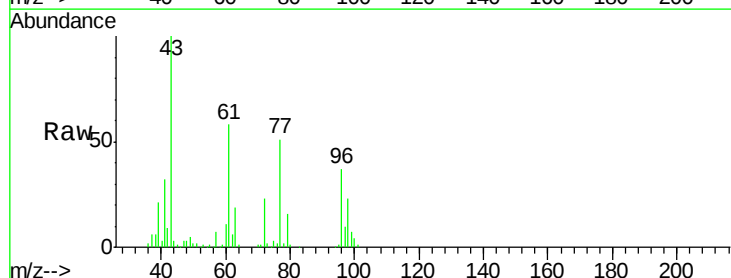
Manual Integrations  
APPROVED

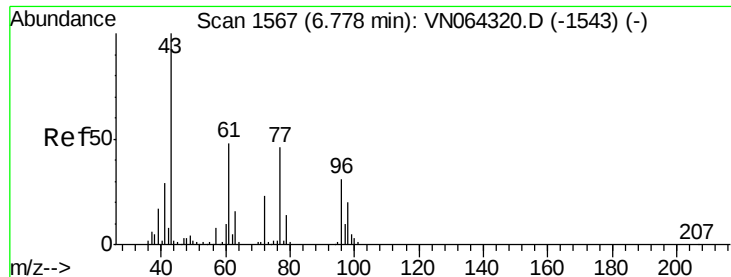
MMDadoda  
10/29/2020 12:01:44 PM



#26  
2,2-Dichloropropane  
Concen: 43.481 ug/l  
RT: 6.78 min Scan# 1566  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Tgt Ion: 77 Resp: 240555  
Ion Ratio Lower Upper  
77 100  
97 20.7 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 50.117 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

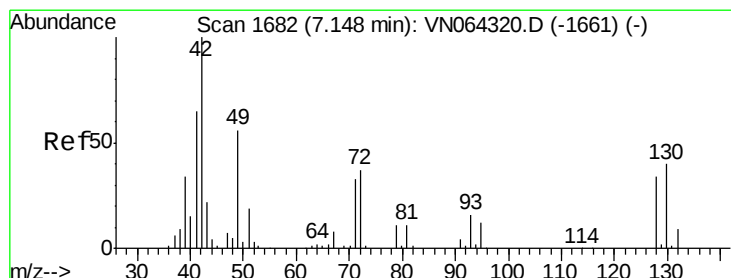
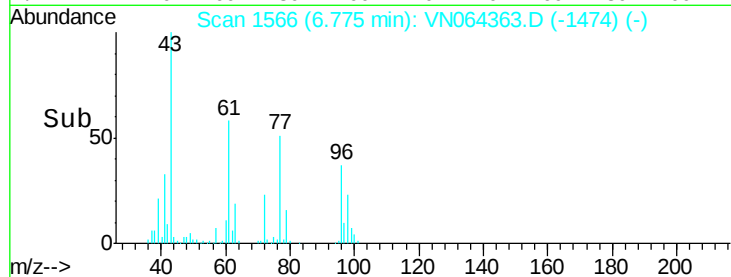
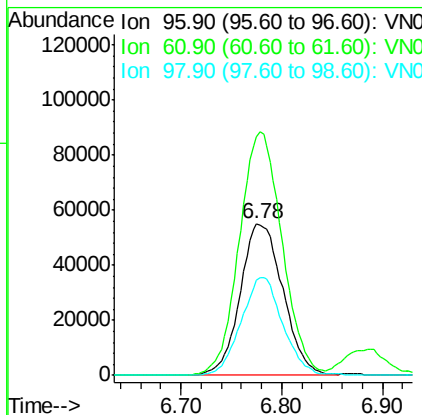
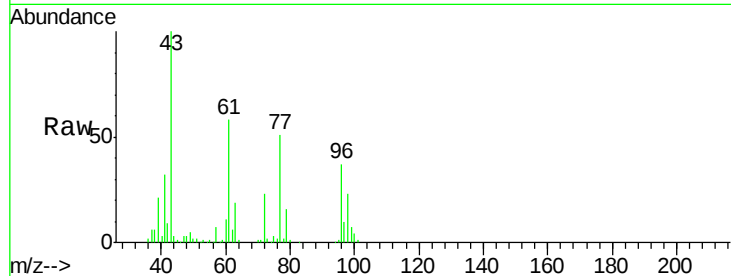
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 96    | Resp: | 161953 |
| Ion      | Ratio | Lower | Upper  |
| 96       | 100   |       |        |
| 61       | 160.6 | 0.0   | 325.0  |
| 98       | 62.9  | 0.0   | 128.4  |

Manual Integrations  
APPROVED

MMDadoda  
10/29/2020 12:01:44 PM



#28

Bromochloromethane

Concen: 49.128 ug/l

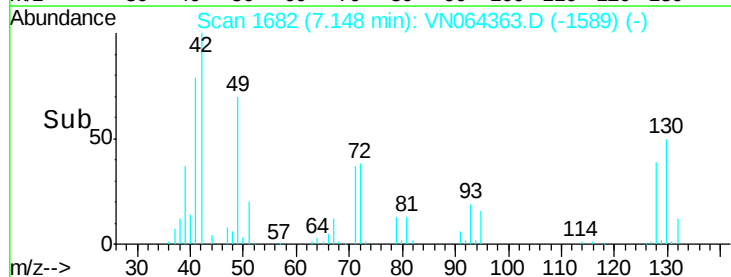
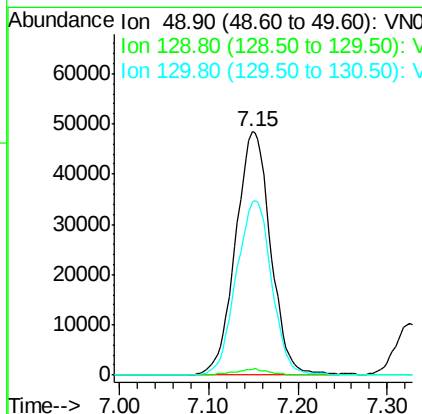
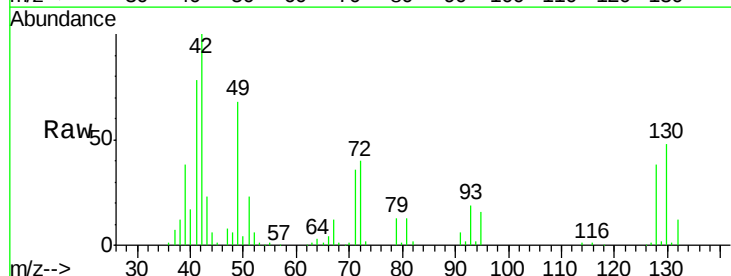
RT: 7.15 min Scan# 1682

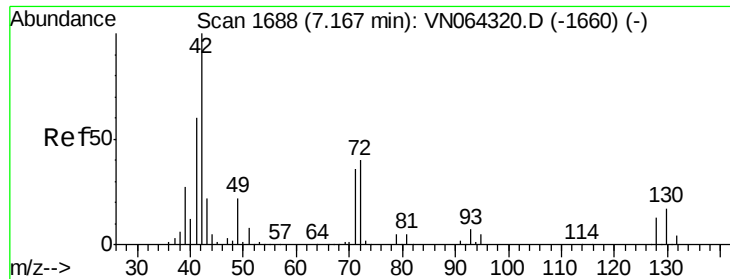
Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 49    | Resp: | 132315 |
| Ion      | Ratio | Lower | Upper  |
| 49       | 100   |       |        |
| 129      | 2.3   | 0.0   | 2.8    |
| 130      | 72.0  | 56.2  | 84.2   |





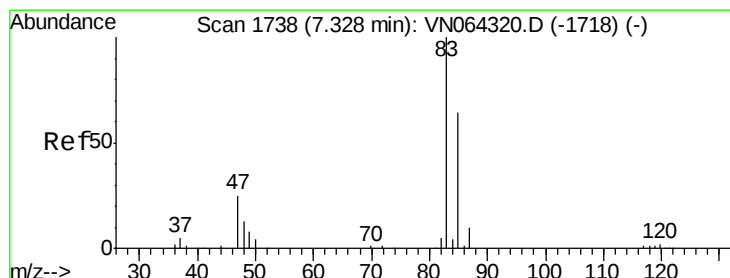
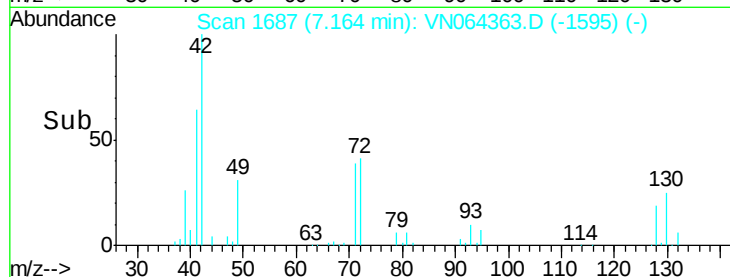
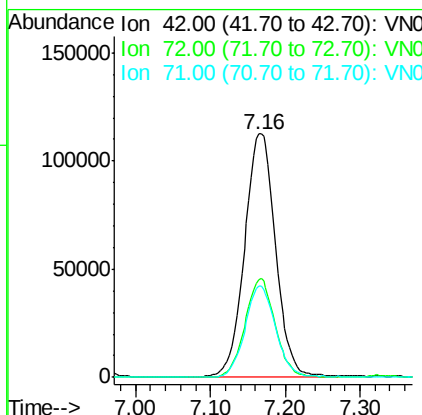
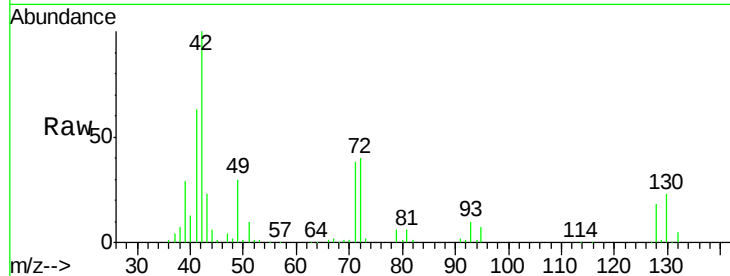
#29  
Tetrahydrofuran  
Concen: 234.561 ug/l  
RT: 7.16 min Scan# 1687  
Delta R.T. -0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 39.4  | 31.6  | 47.4  |
| 71      | 36.9  | 29.4  | 44.0  |

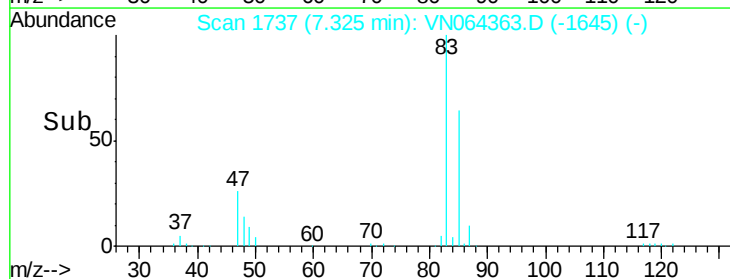
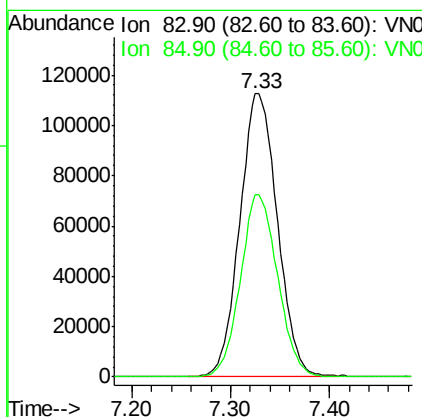
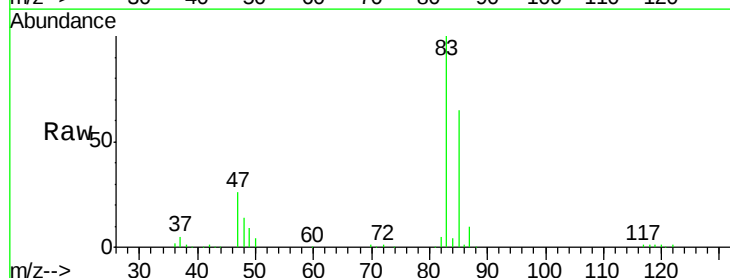
Manual Integrations  
APPROVED

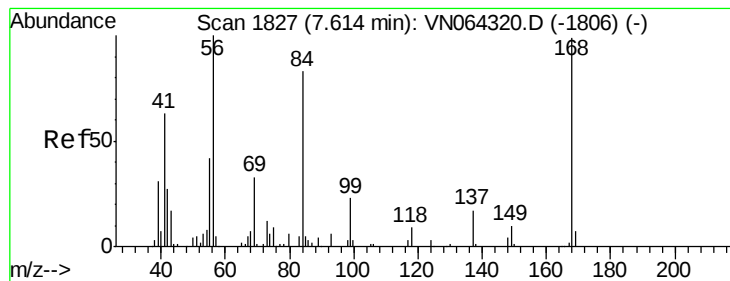
MMDadoda  
10/29/2020 12:01:44 PM



#30  
Chloroform  
Concen: 49.234 ug/l  
RT: 7.33 min Scan# 1737  
Delta R.T. -0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.5  | 51.1  | 76.7  |





#31

Cyclohexane

Concen: 39.667 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

ClientSampleId :

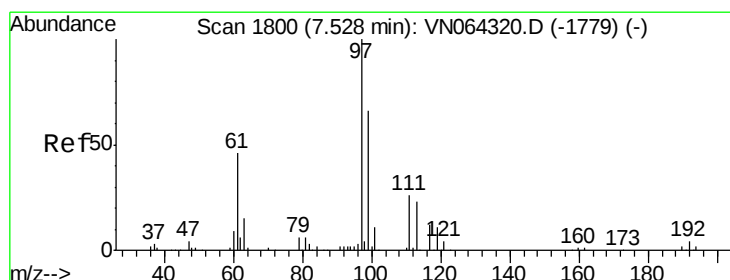
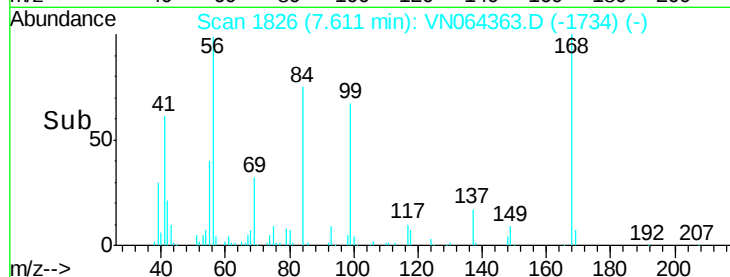
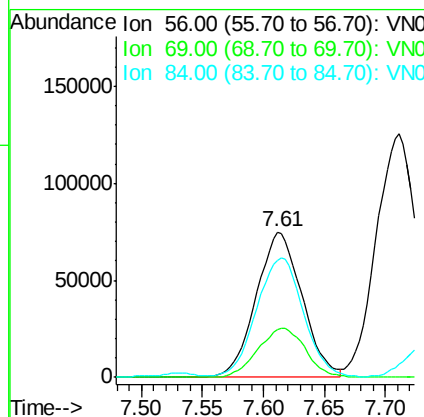
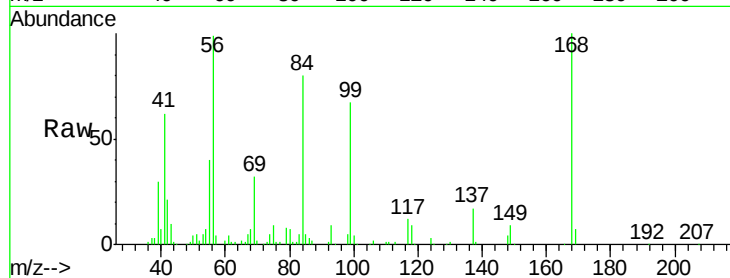
VSTDCCC050EC

Tot Ion: 56 Resp: 196005

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 32.6  | 25.8  | 38.8  |
| 84  | 78.2  | 66.3  | 99.5  |

Manual Integrations  
APPROVED

MMDadoda  
10/29/2020 12:01:44 PM



#32

1,1,1-Trichloroethane

Concen: 46.784 ug/l

RT: 7.53 min Scan# 1801

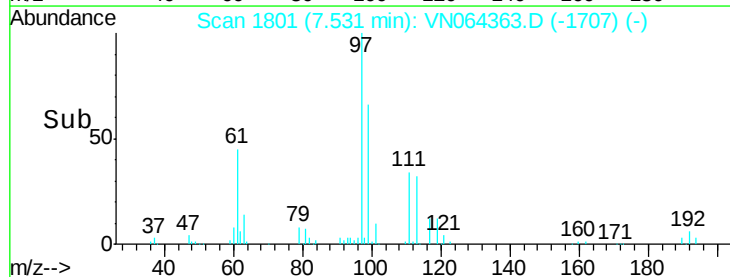
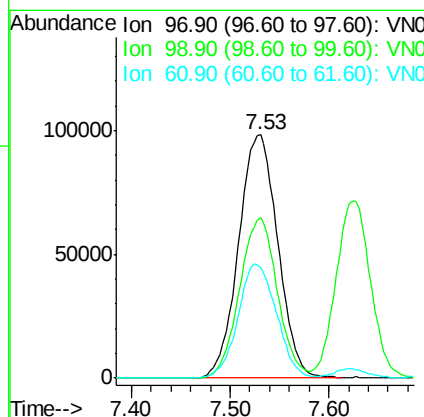
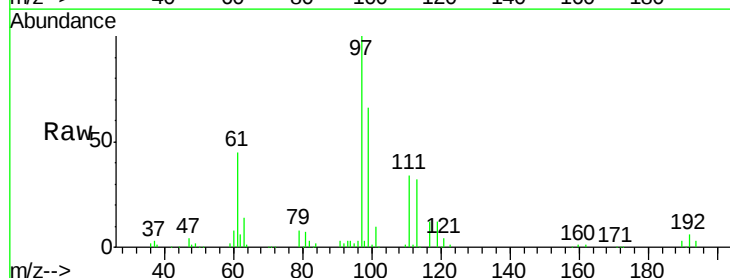
Delta R.T. 0.00 min

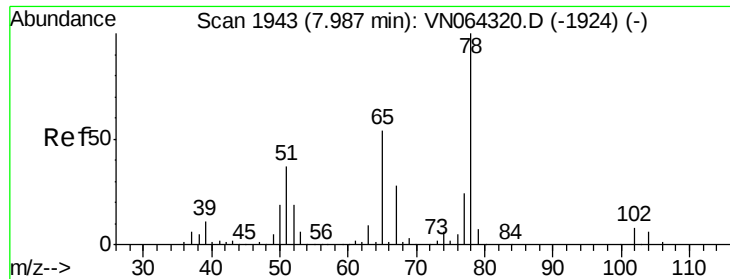
Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Tgt Ion: 97 Resp: 271067

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.3  | 50.6  | 76.0  |
| 61  | 45.9  | 35.8  | 53.6  |





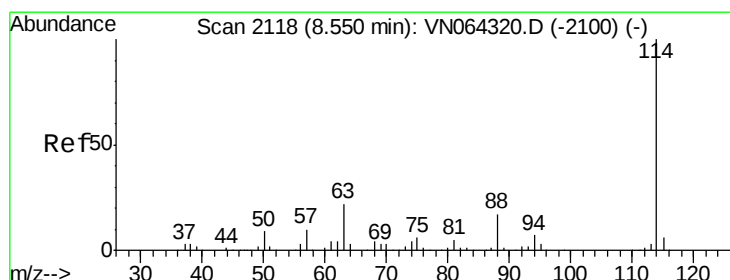
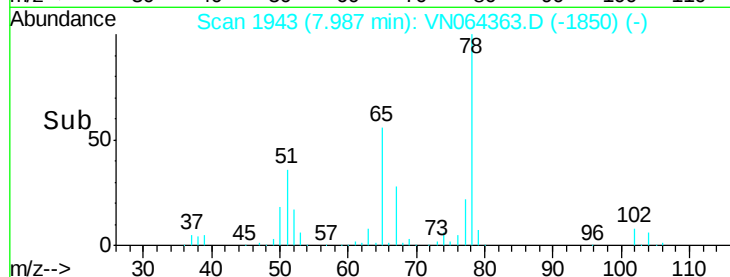
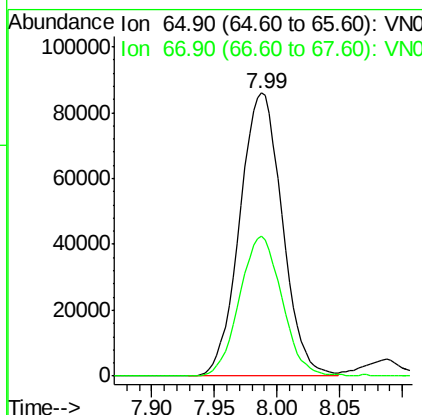
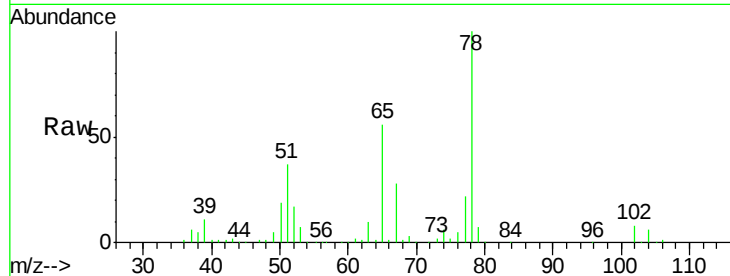
#33  
 1,2-Dichloroethane-d4  
 Concen: 47.701 ug/l  
 RT: 7.99 min Scan# 1943  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 203087 |       |       |
| 67      | 49.4  | 0.0    | 99.2  |       |

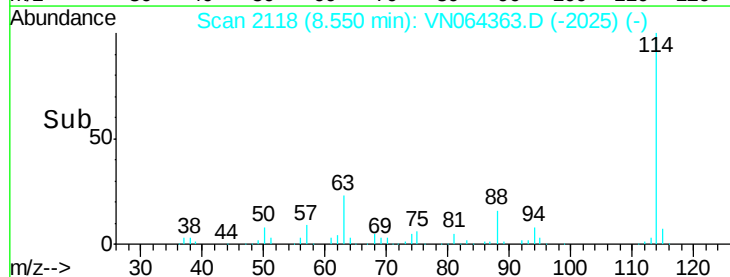
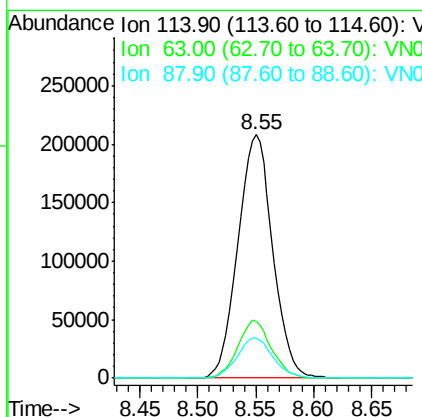
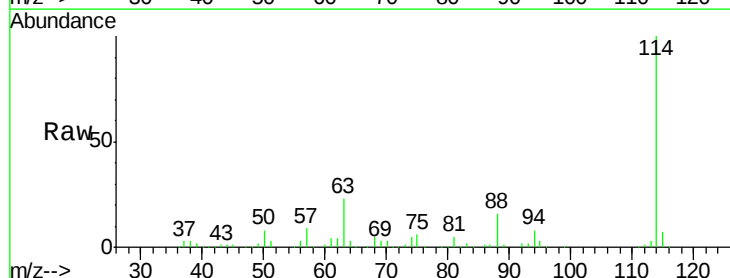
Manual Integrations  
 APPROVED

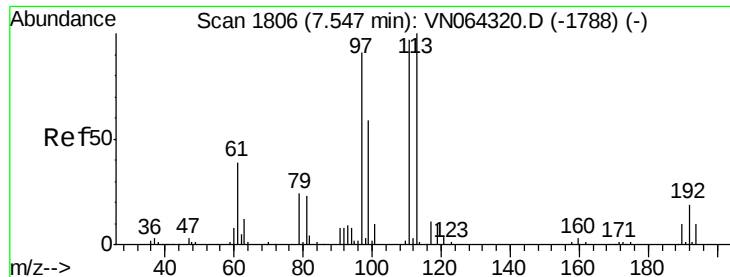
MMDadoda  
 10/29/2020 12:01:44 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.55 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 432453 |       |       |
| 63      | 23.4  | 0.0    | 44.6  |       |
| 88      | 16.3  | 0.0    | 33.4  |       |





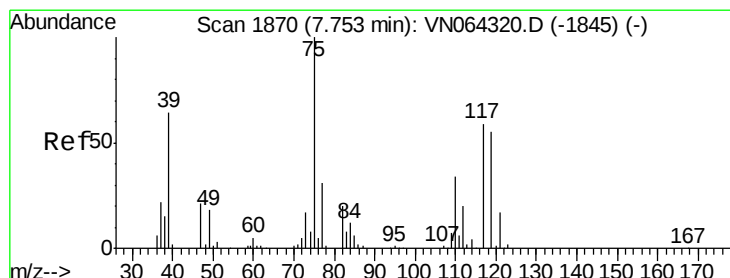
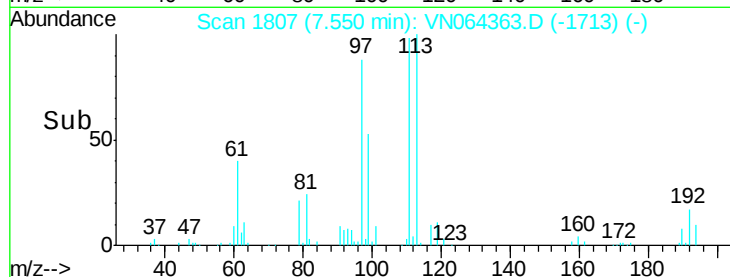
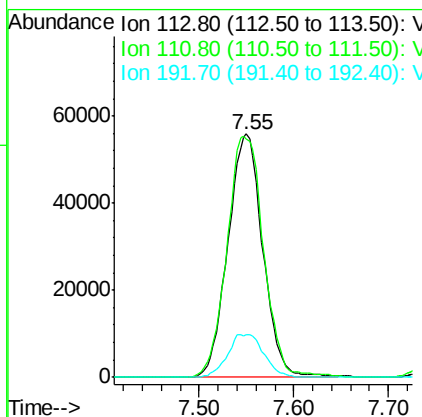
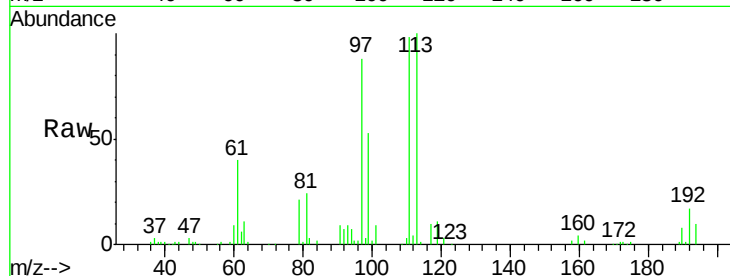
#35  
 Dibromofluoromethane  
 Concen: 49.596 ug/l  
 RT: 7.55 min Scan# 1807  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 113     | 100   | 143031 |       |       |
| 111     | 103.7 | 81.5   | 122.3 |       |
| 192     | 8.8   | 15.0   | 22.4  |       |

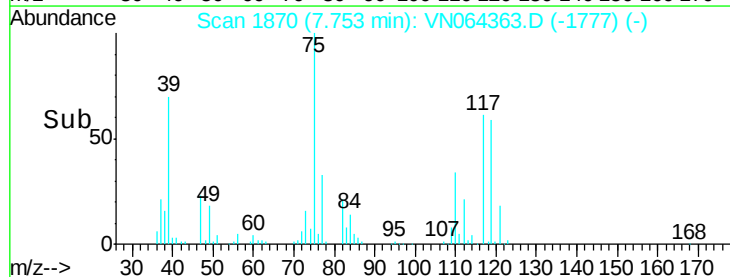
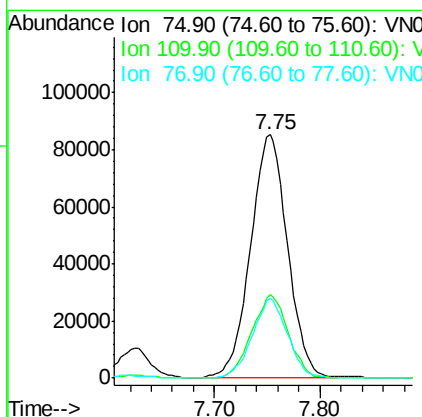
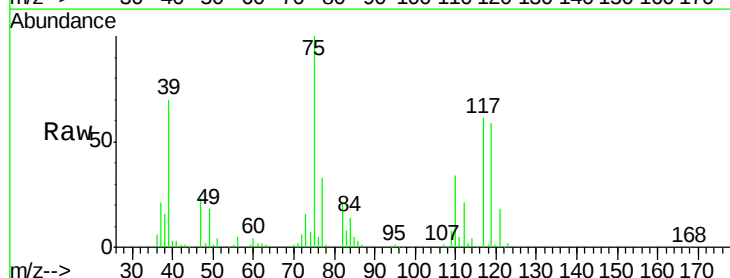
Manual Integrations  
 APPROVED

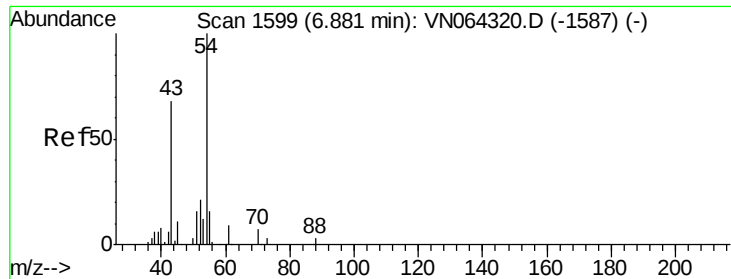
MMDadoda  
 10/29/2020 12:01:44 PM



#36  
 1,1-Dichloropropene  
 Concen: 47.472 ug/l  
 RT: 7.75 min Scan# 1870  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 75      | 100   | 207190 |       |       |
| 110     | 34.0  | 16.8   | 50.3  |       |
| 77      | 31.3  | 24.2   | 36.4  |       |





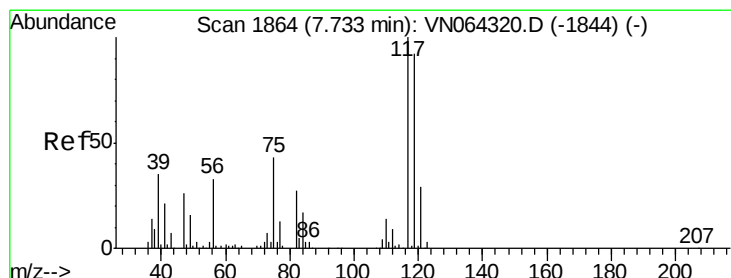
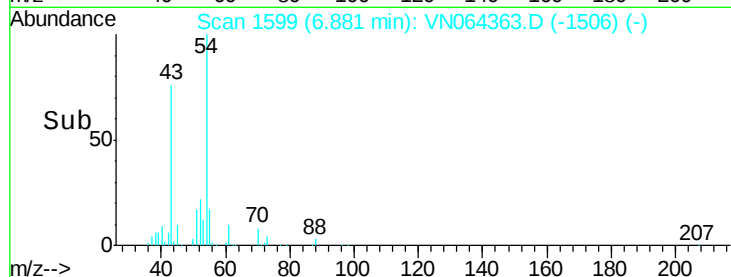
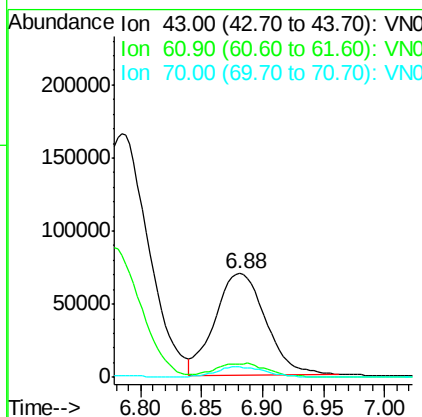
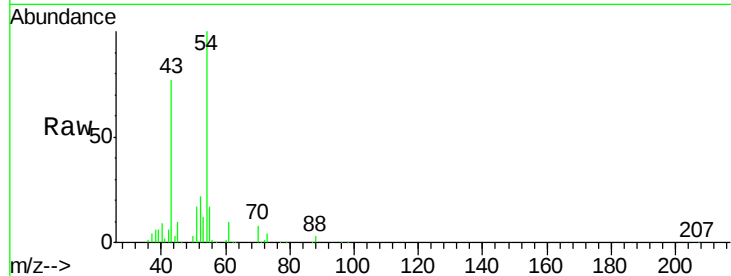
#37  
Ethyl Acetate  
Concen: 45.887 ug/l  
RT: 6.88 min Scan# 1599  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 13.7  | 10.0  | 15.0  |
| 70      | 10.4  | 7.1   | 10.7  |

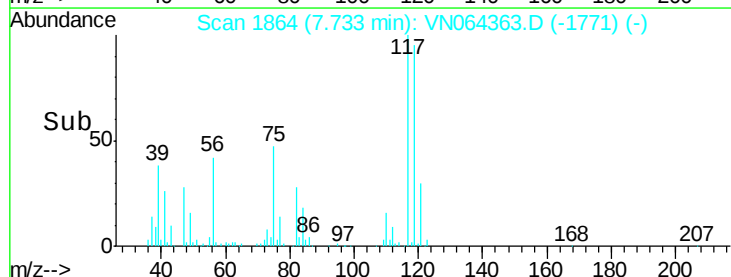
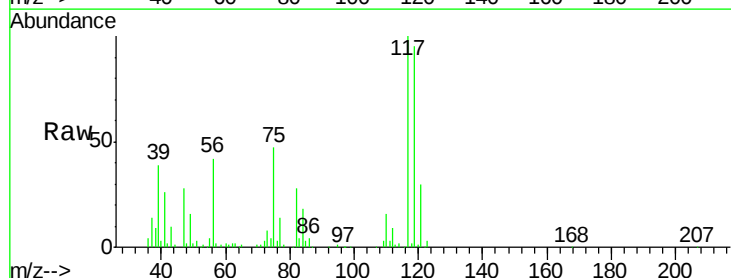
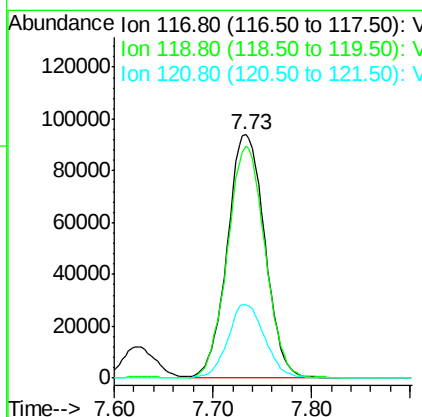
Manual Integrations  
APPROVED

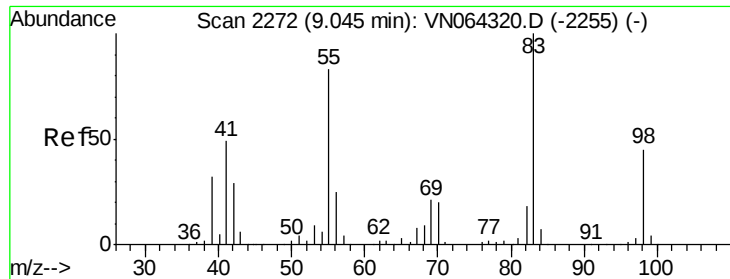
MMDadoda  
10/29/2020 12:01:44 PM



#38  
Carbon Tetrachloride  
Concen: 49.300 ug/l  
RT: 7.73 min Scan# 1864  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 95.2  | 73.7  | 110.5 |
| 121     | 30.1  | 22.8  | 34.2  |





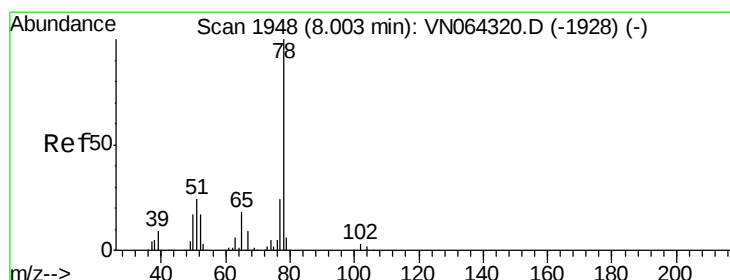
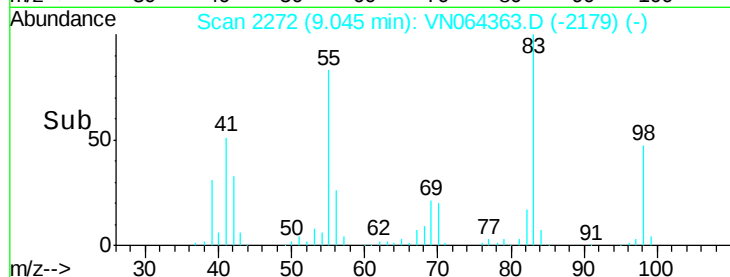
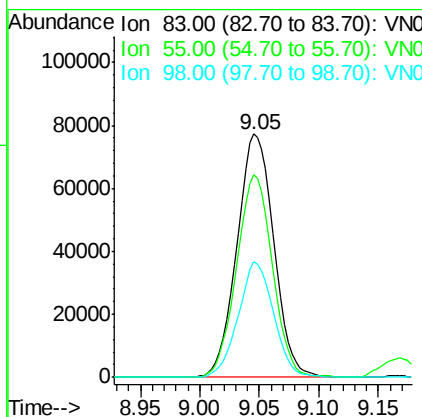
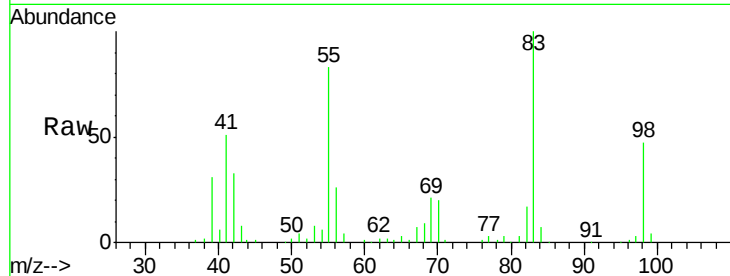
#39  
Methvlcvclohexane  
Concen: 38.409 ug/l  
RT: 9.05 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 83    | Resp  | 166218 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 83.2  | 66.2  | 99.4   |
| 98        | 47.2  | 36.0  | 54.0   |

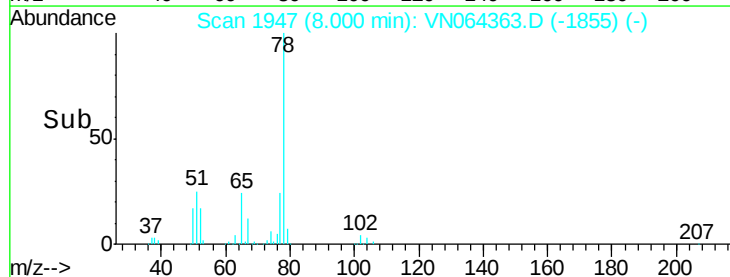
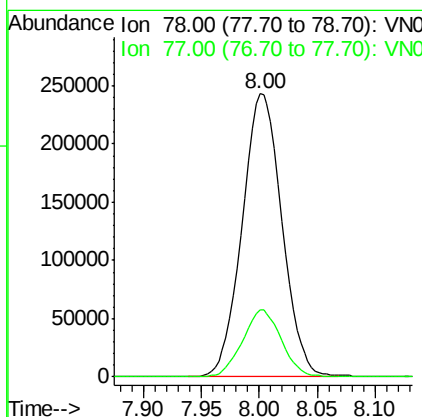
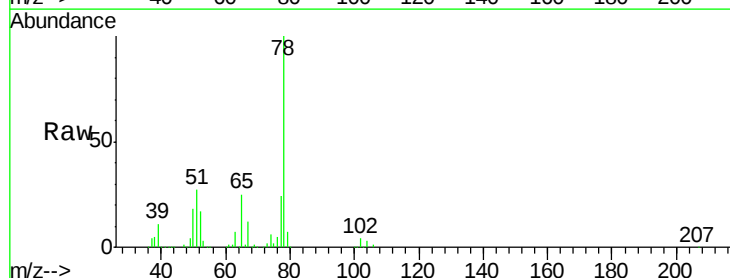
Manual Integrations  
APPROVED

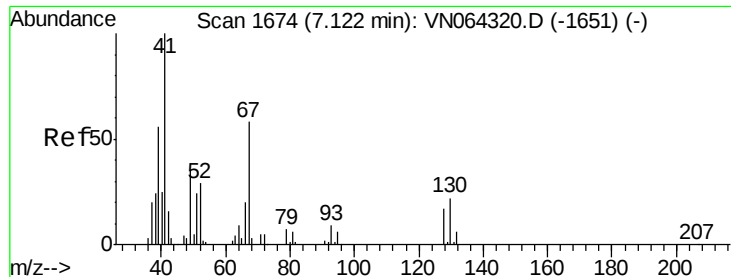
MMDadoda  
10/29/2020 12:01:44 PM



#40  
Benzene  
Concen: 47.880 ug/l  
RT: 8.00 min Scan# 1947  
Delta R.T. -0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion   | 78    | Resp  | 581669 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 78        | 100   |       |        |
| 77        | 23.8  | 18.8  | 28.2   |





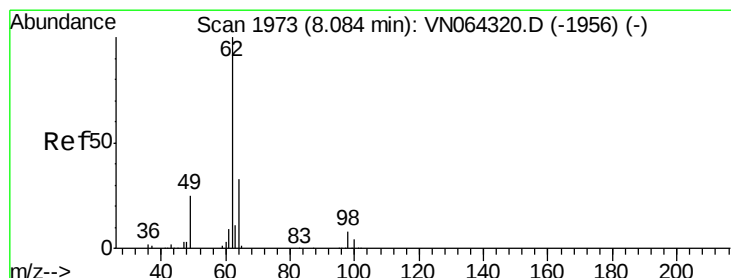
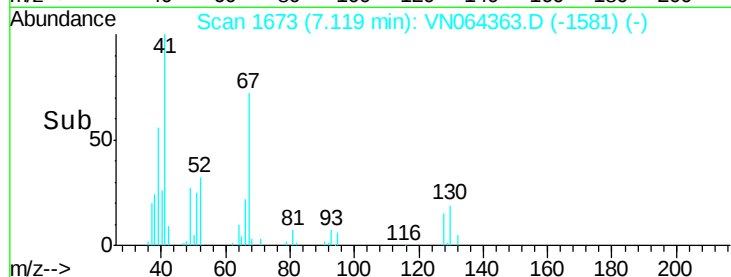
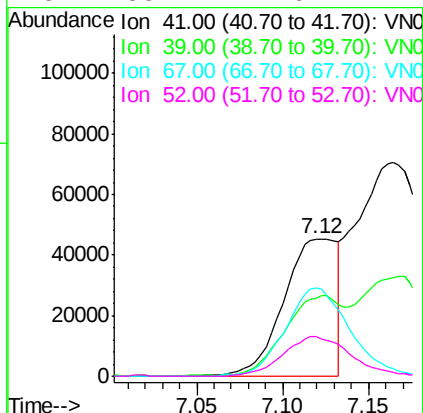
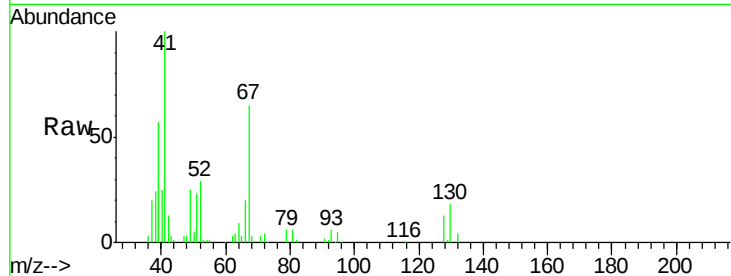
#41  
Methacrylonitrile  
Concen: 44.749 ug/l  
RT: 7.12 min Scan# 1673  
Delta R.T. -0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 41    | Resp  | 97929 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 41      | 100   |       |       |
| 39      | 61.1  | 48.6  | 72.8  |
| 67      | 78.0  | 61.4  | 92.2  |
| 52      | 35.4  | 27.6  | 41.4  |

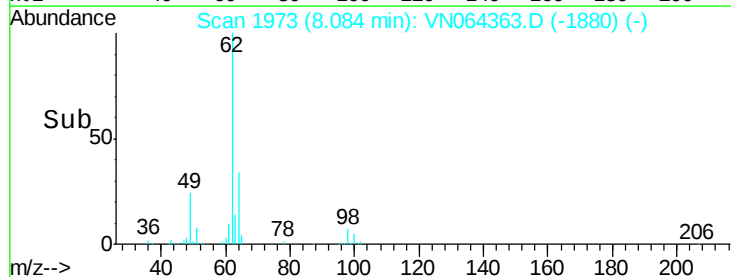
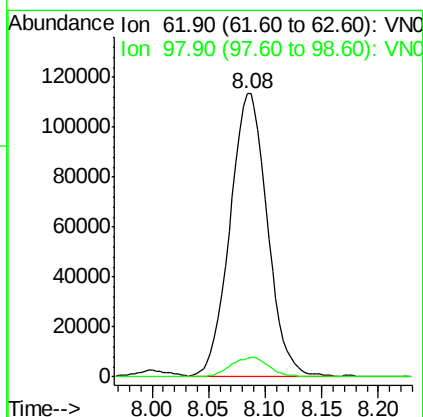
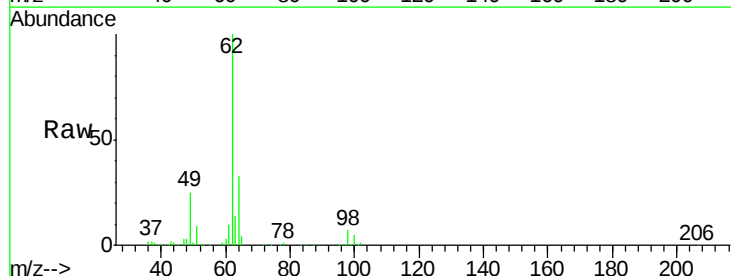
Manual Integrations  
APPROVED

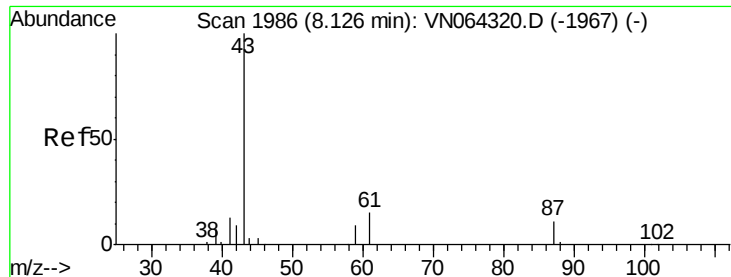
MMDadoda  
10/29/2020 12:01:44 PM



#42  
1,2-Dichloroethane  
Concen: 49.500 ug/l  
RT: 8.08 min Scan# 1973  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion | 62    | Resp  | 259768 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 62      | 100   |       |        |
| 98      | 7.2   | 0.0   | 14.2   |





#43

Isopropyl Acetate

Concen: 50.986 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

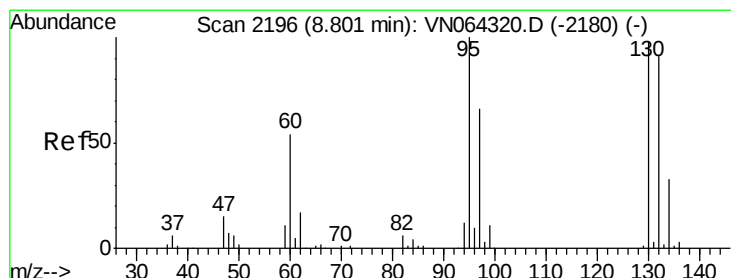
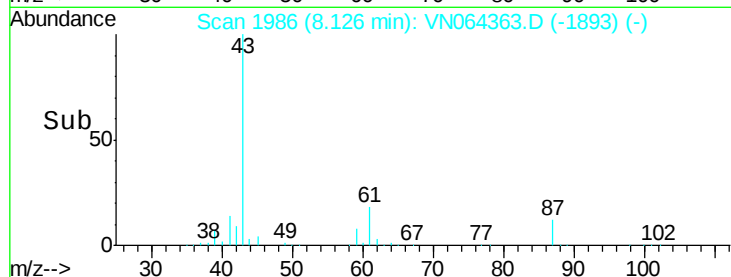
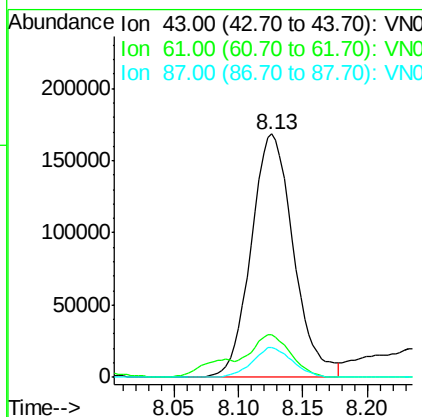
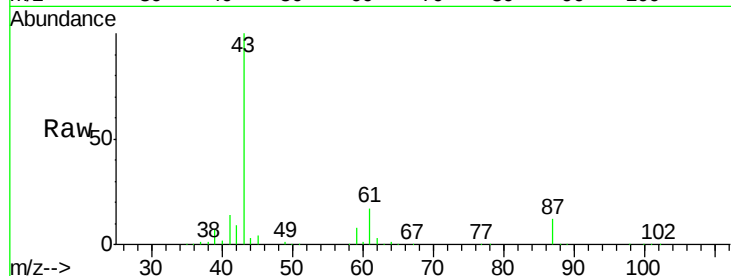
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 384231 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 15.9  | 19.1  | 28.7#  |
| 87       | 11.6  | 9.3   | 13.9   |

Manual Integrations  
APPROVED

MMDadoda  
10/29/2020 12:01:44 PM



#44

Trichloroethene

Concen: 48.819 ug/l

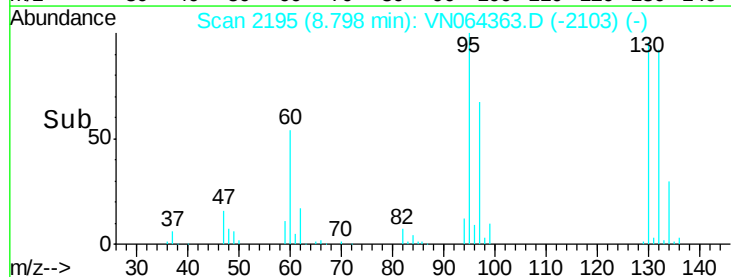
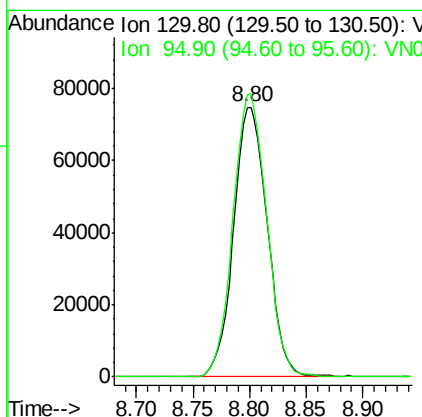
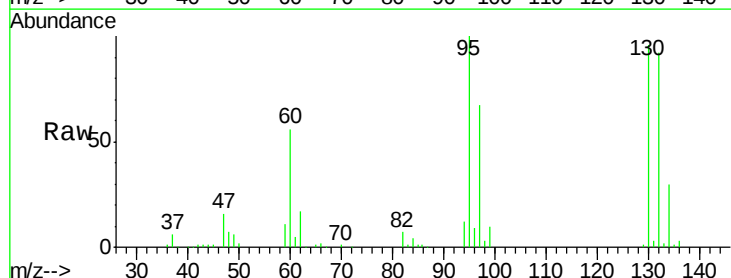
RT: 8.80 min Scan# 2195

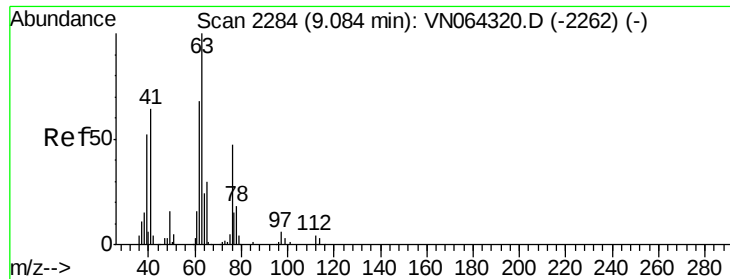
Delta R.T. -0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 155364 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 104.5 | 0.0   | 203.6  |





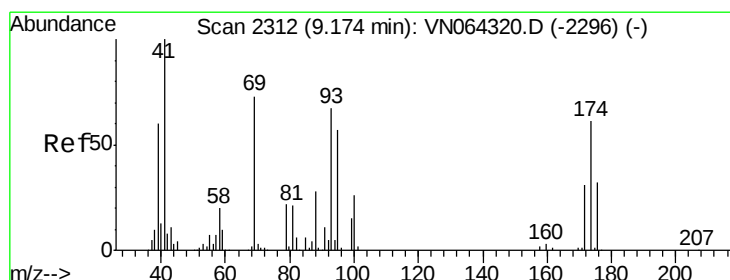
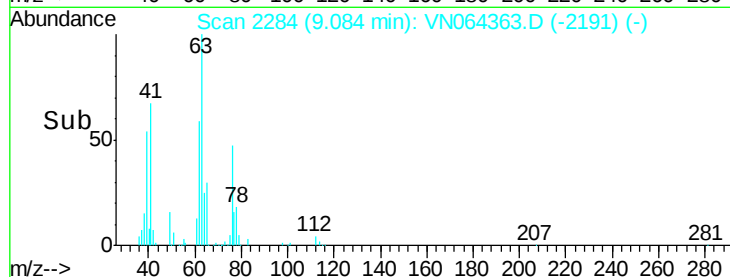
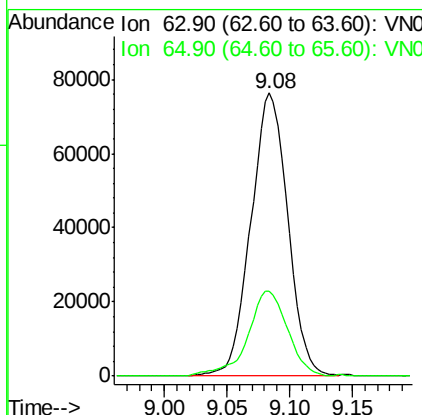
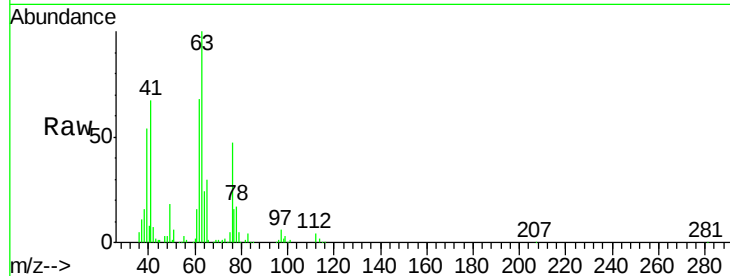
#45  
 1,2-Dichloropropane  
 Concen: 47.996 ug/l  
 RT: 9.08 min Scan# 2284  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 29.7  | 24.3  | 36.5  |

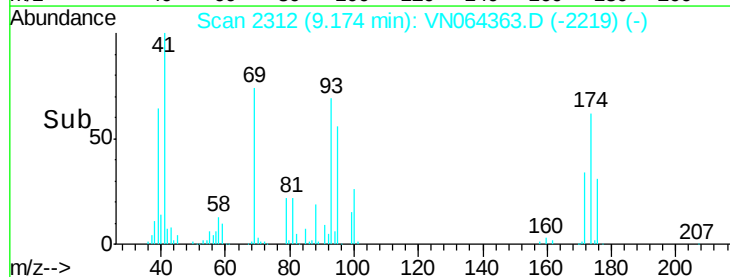
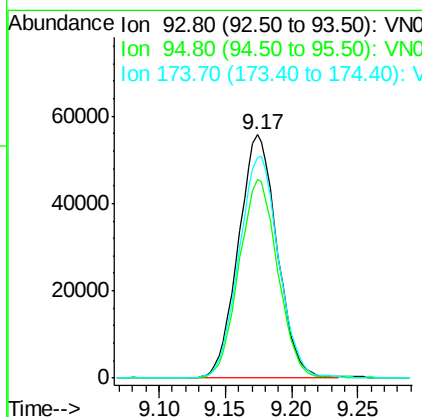
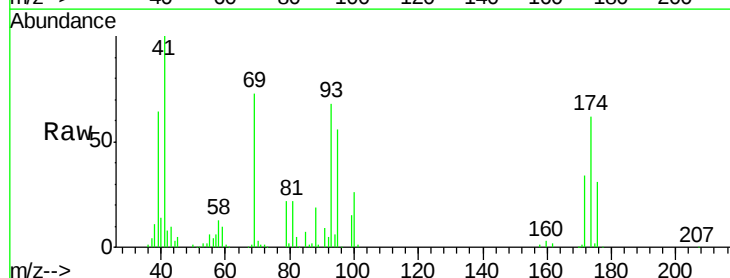
Manual Integrations  
 APPROVED

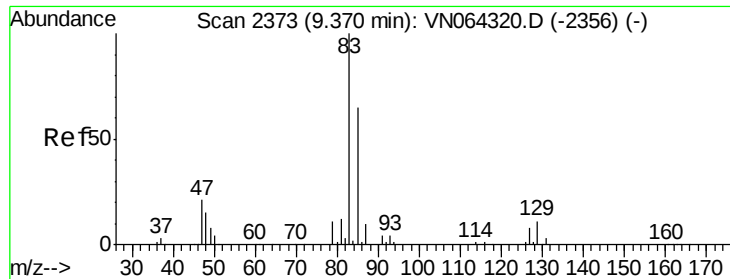
MMDadoda  
 10/29/2020 12:01:44 PM



#46  
 Dibromomethane  
 Concen: 49.617 ug/l  
 RT: 9.17 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 82.0  | 64.4  | 96.6  |
| 174     | 93.5  | 71.4  | 107.0 |





#47

Bromodichloromethane

Concen: 47.875 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

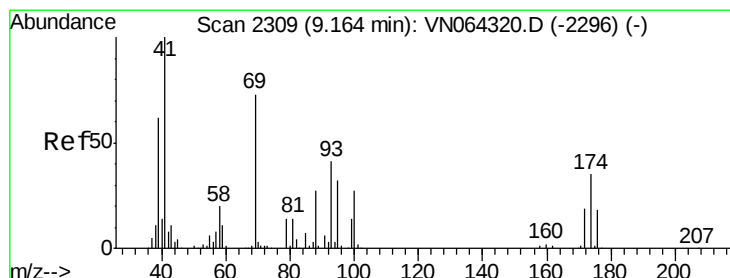
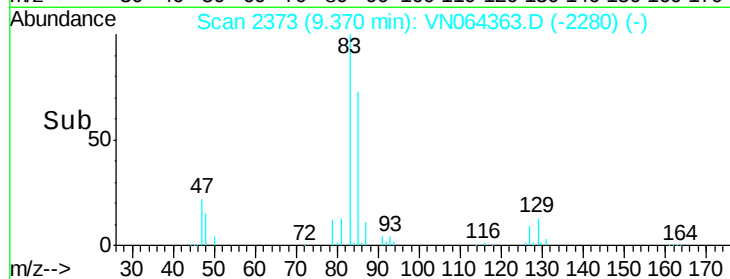
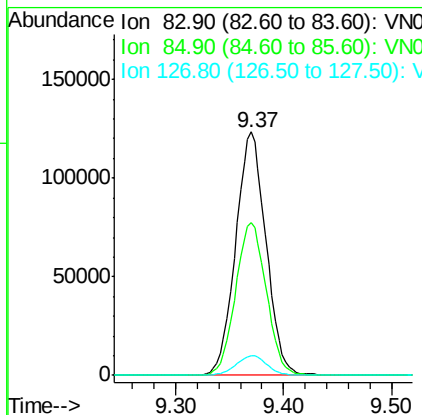
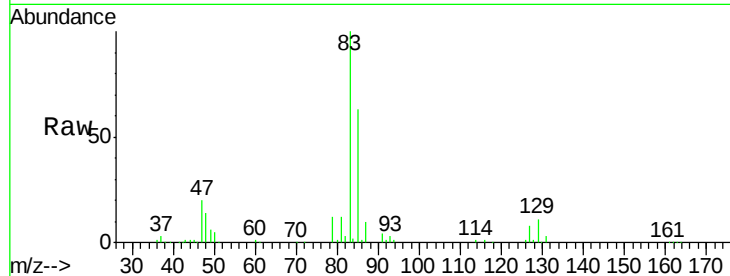
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 241469 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 85        | 62.9  | 52.1  | 78.1   |
| 127       | 8.0   | 6.7   | 10.1   |

Manual Integrations  
APPROVED

MMDadoda  
10/29/2020 12:01:44 PM



#48

Methyl methacrylate

Concen: 49.273 ug/l

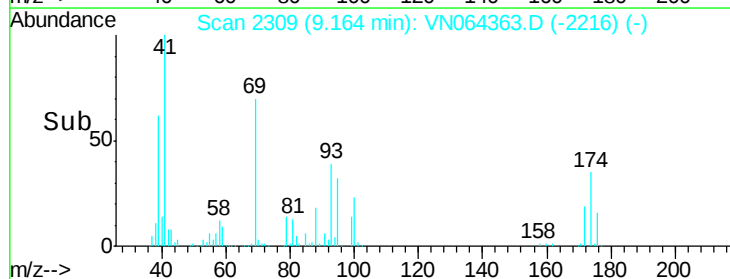
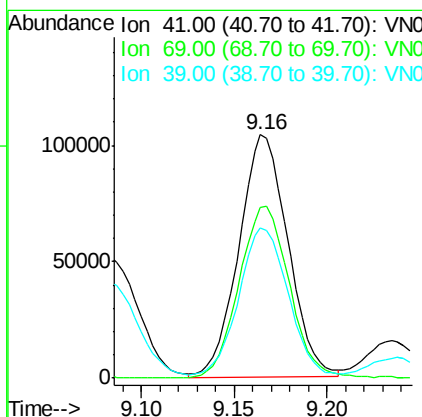
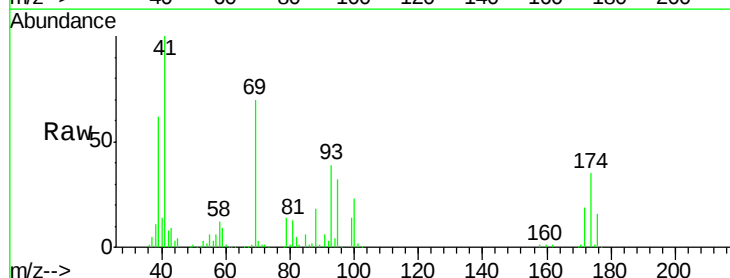
RT: 9.16 min Scan# 2309

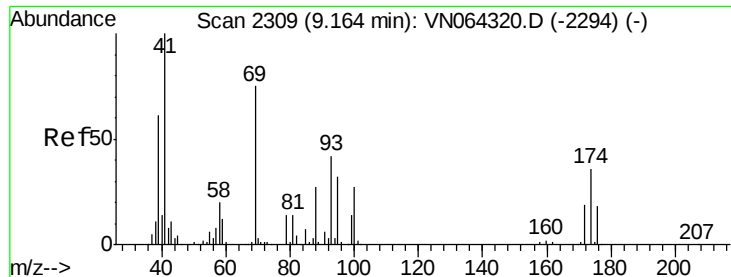
Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 41    | Resp: | 191580 |
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 69        | 72.6  | 59.1  | 88.7   |
| 39        | 63.2  | 51.3  | 76.9   |





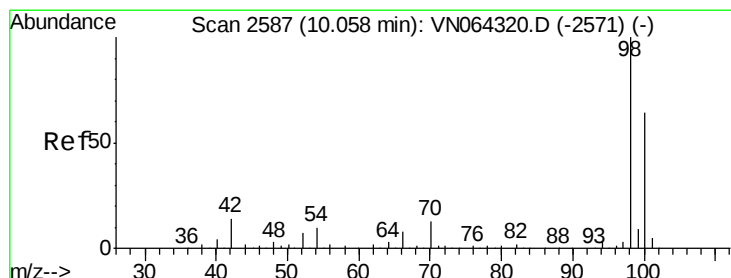
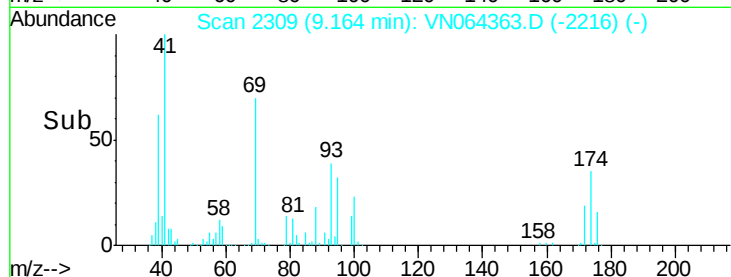
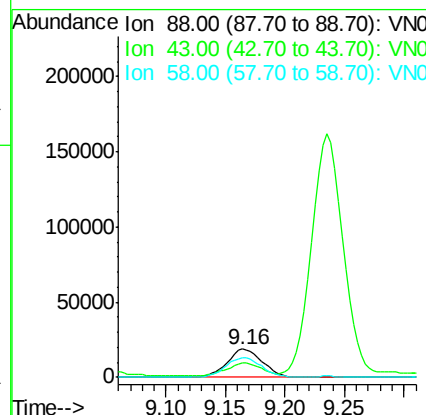
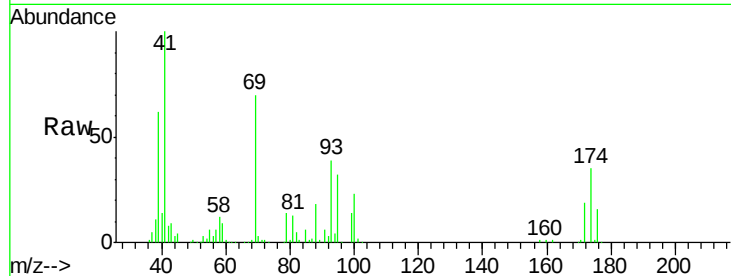
#49  
1,4-Dioxane  
Concen: 678.837 ug/l  
RT: 9.16 min Scan# 2309  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 41.8  | 31.8  | 47.8  |
| 58      | 70.9  | 60.3  | 90.5  |

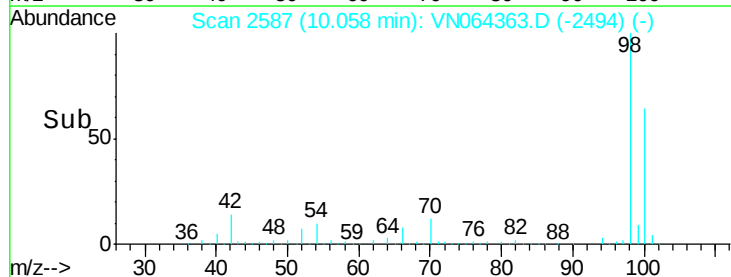
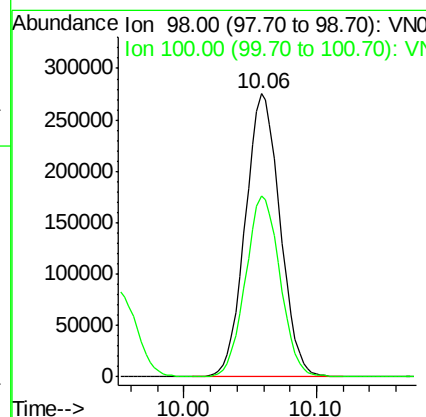
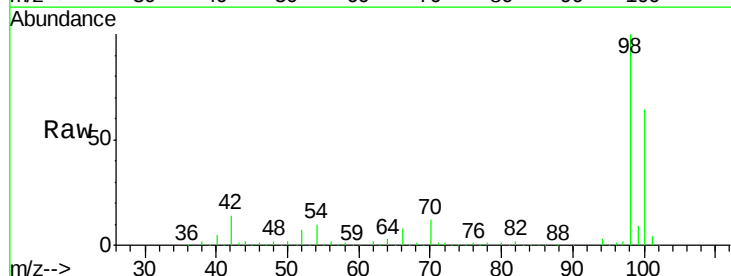
Manual Integrations  
APPROVED

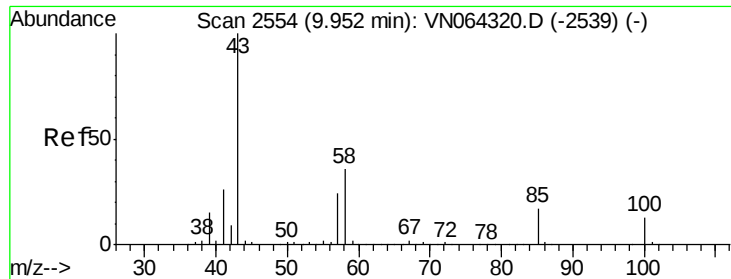
MMDadoda  
10/29/2020 12:01:44 PM



#50  
Toluene-d8  
Concen: 46.984 ug/l  
RT: 10.06 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.8  | 50.9  | 76.3  |





#51

4-Methyl-2-Pentanone

Concen: 248.682 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1089369

Ion Ratio Lower Upper

43 100

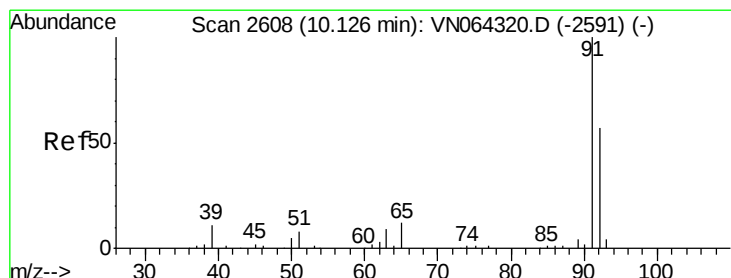
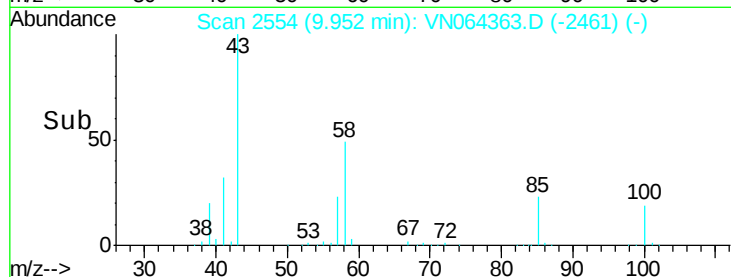
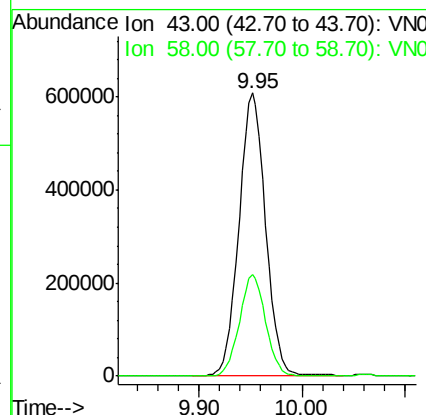
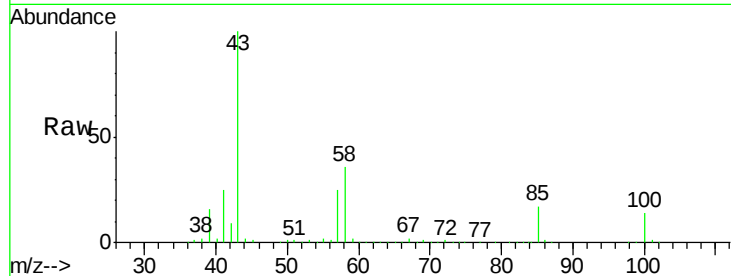
58 35.5 28.6 42.8

Manual Integrations

APPROVED

MMDadoda

10/29/2020 12:01:44 PM



#52

Toluene

Concen: 48.243 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064363.D

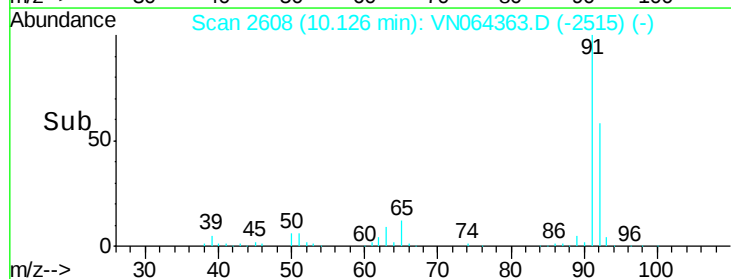
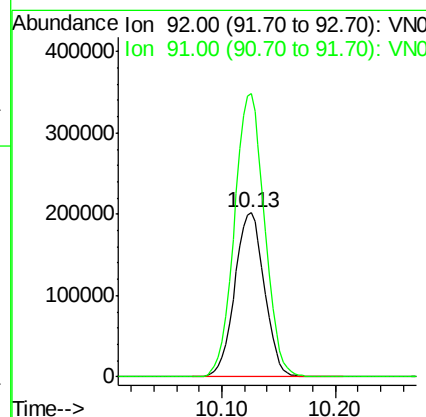
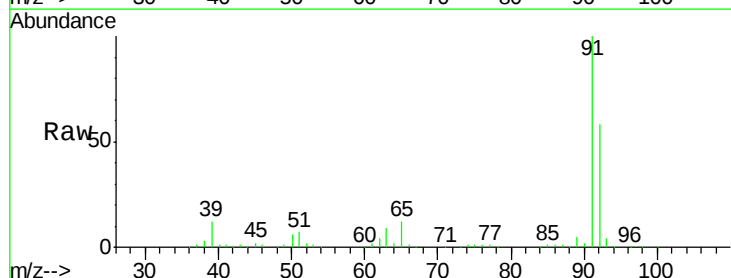
Acq: 28 Oct 2020 19:31

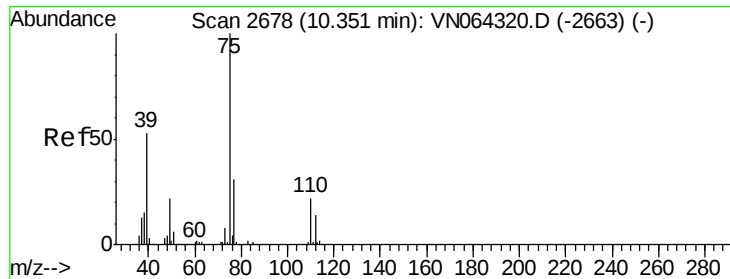
Tgt Ion: 92 Resp: 369834

Ion Ratio Lower Upper

92 100

91 174.5 139.9 209.9





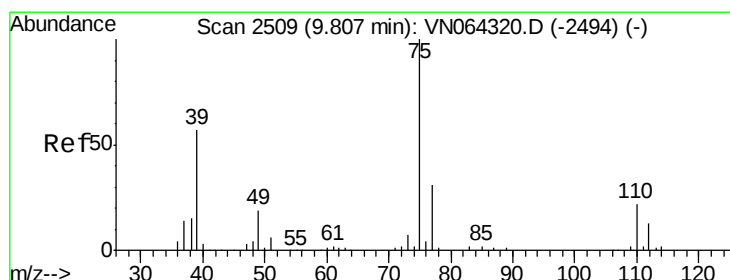
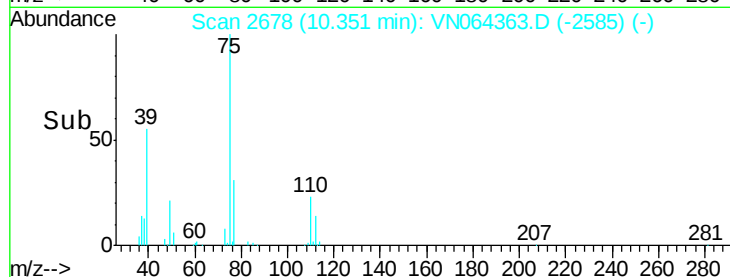
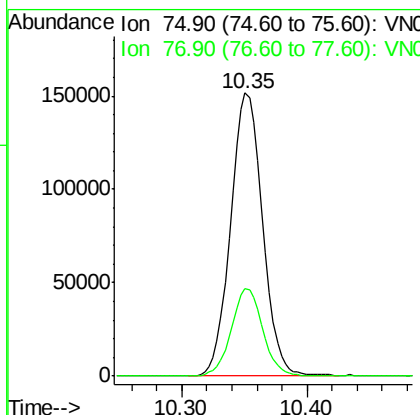
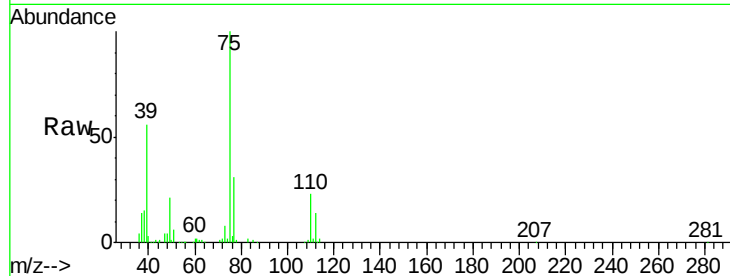
#53  
t-1,3-Dichloropropene  
Concen: 50.331 ug/l  
RT: 10.35 min Scan# 2678  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 75 Resp: 268413  
Ion Ratio Lower Upper  
75 100  
77 30.9 24.8 37.2

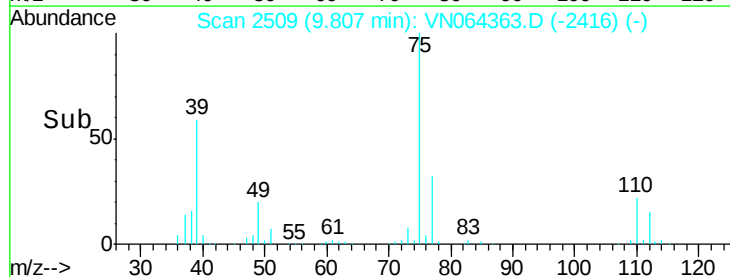
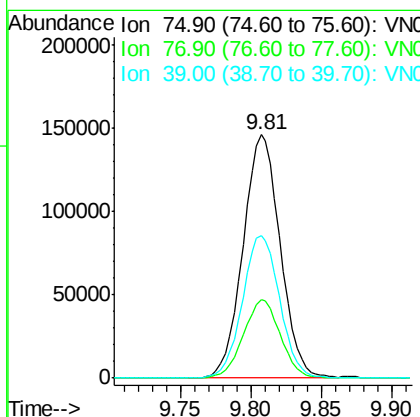
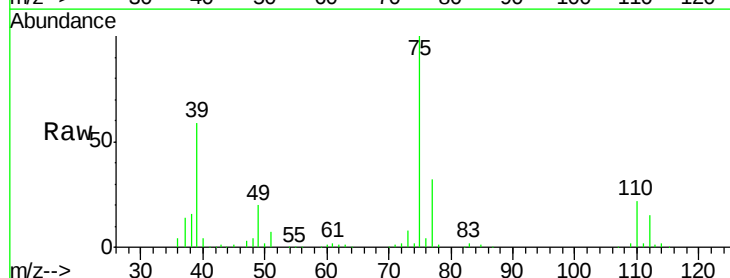
Manual Integrations  
APPROVED

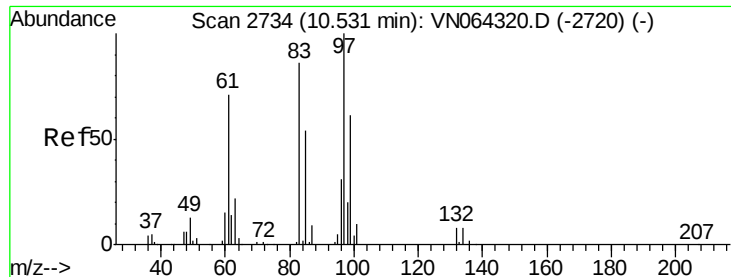
MMDadoda  
10/29/2020 12:01:44 PM



#54  
cis-1,3-Dichloropropene  
Concen: 49.072 ug/l  
RT: 9.81 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Tgt Ion: 75 Resp: 269391  
Ion Ratio Lower Upper  
75 100  
77 32.2 25.0 37.4  
39 58.7 45.5 68.3





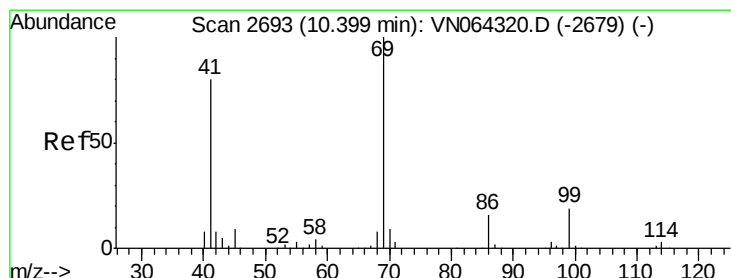
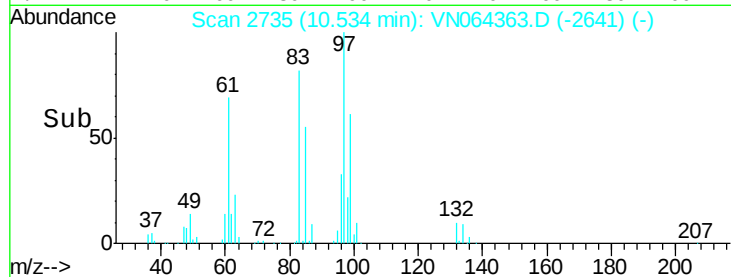
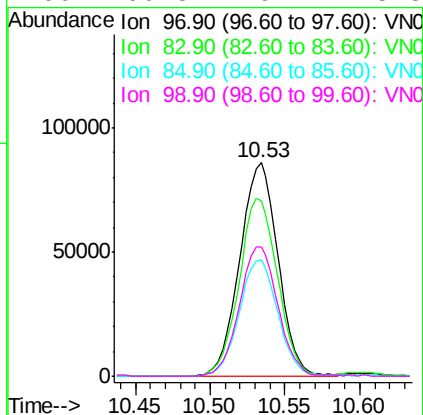
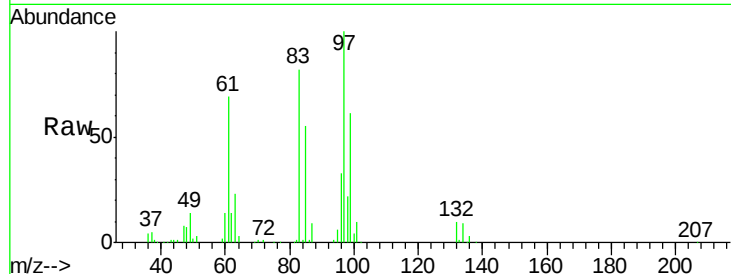
#55  
 1,1,2-Trichloroethane  
 Concen: 50.719 ug/l  
 RT: 10.53 min Scan# 2735  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 153477 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 82.4  | 68.9  | 103.3  |
| 85       | 54.8  | 43.6  | 65.4   |
| 99       | 60.8  | 49.2  | 73.8   |

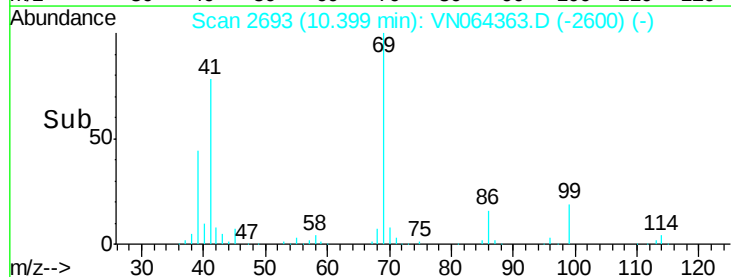
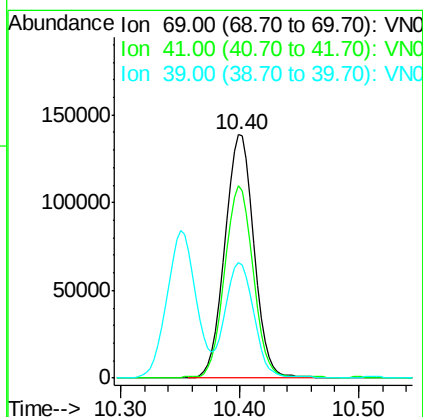
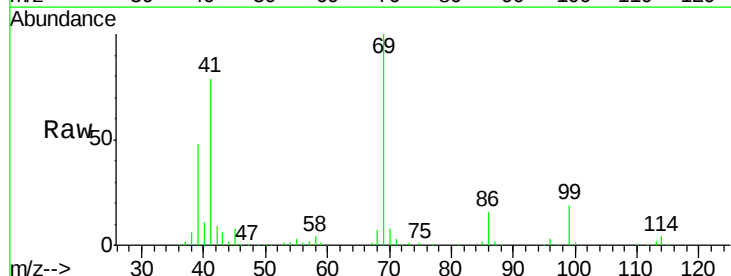
Manual Integrations  
 APPROVED

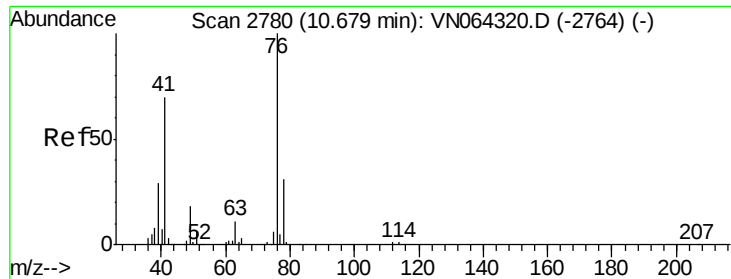
MMDadoda  
 10/29/2020 12:01:44 PM



#56  
 Ethyl methacrylate  
 Concen: 51.485 ug/l  
 RT: 10.40 min Scan# 2693  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 235839 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 76.5  | 61.4  | 92.2   |
| 39       | 46.2  | 36.5  | 54.7   |





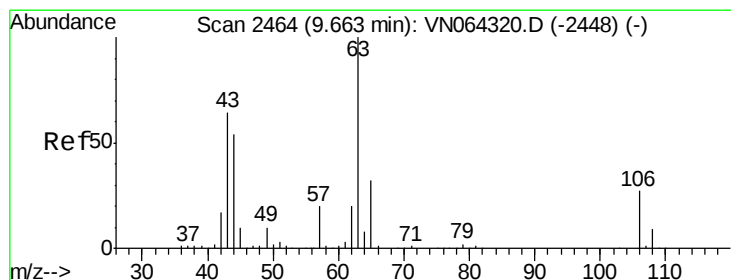
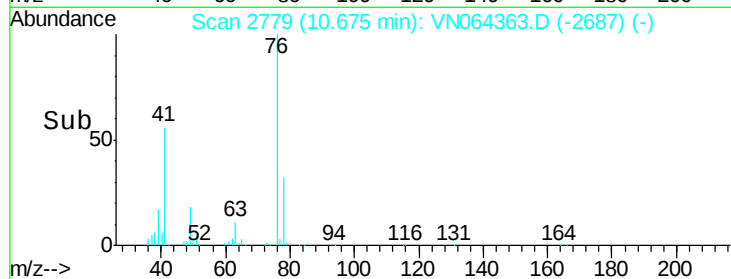
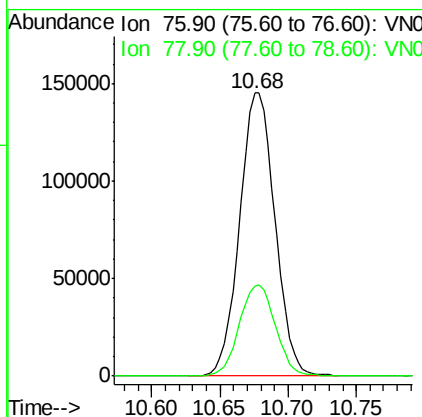
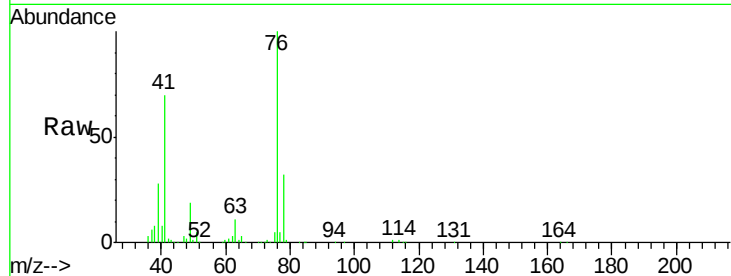
#57  
 1,3-Dichloropropane  
 Concen: 50.647 ug/l  
 RT: 10.68 min Scan# 2779  
 Delta R.T. -0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 32.8  | 25.8  | 38.6  |

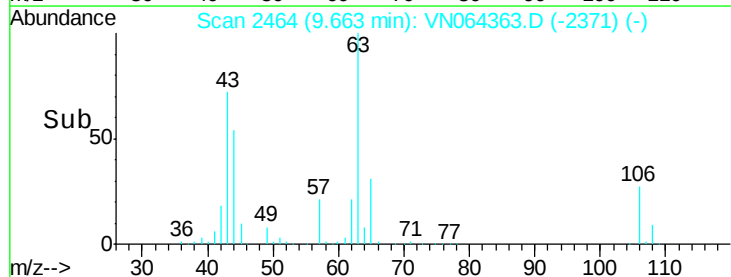
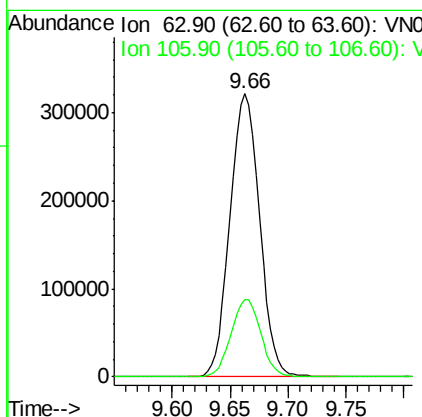
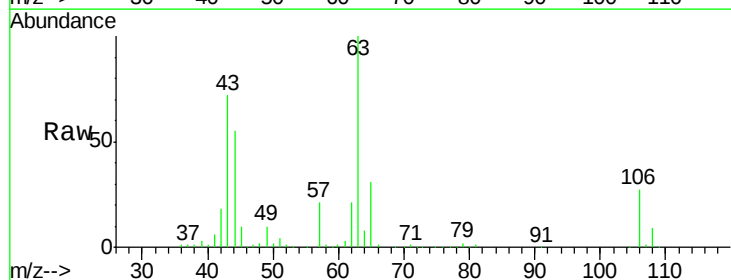
Manual Integrations  
 APPROVED

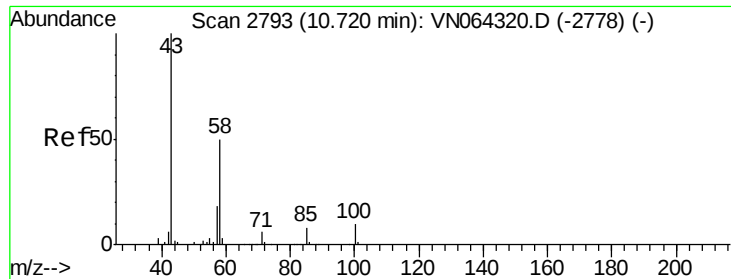
MMDadoda  
 10/29/2020 12:01:44 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 227.878 ug/l  
 RT: 9.66 min Scan# 2464  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 27.3  | 21.0  | 31.4  |





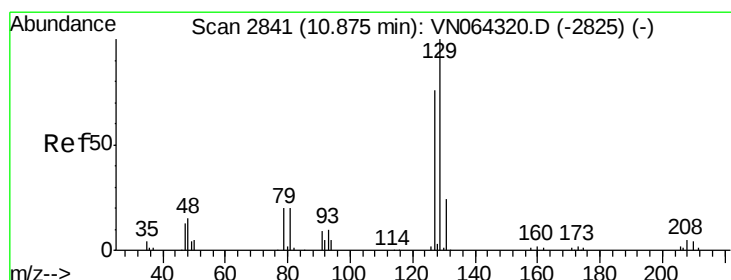
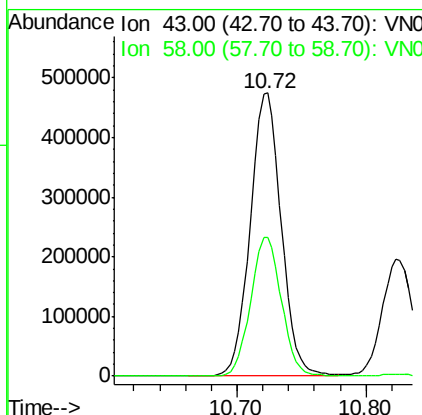
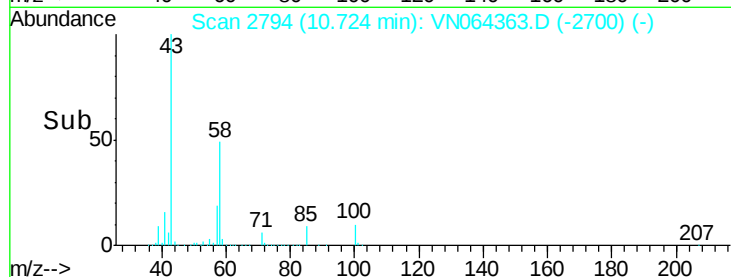
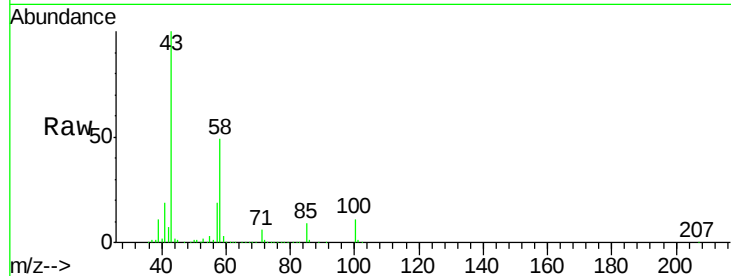
#59  
2-Hexanone  
Concen: 246.038 ug/l  
RT: 10.72 min Scan# 2794  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 43 Resp: 793791  
Ion Ratio Lower Upper  
43 100  
58 49.0 25.0 75.0

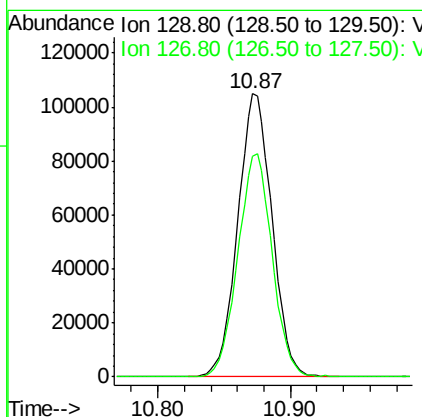
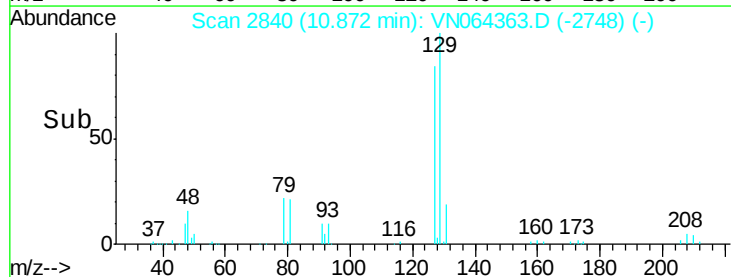
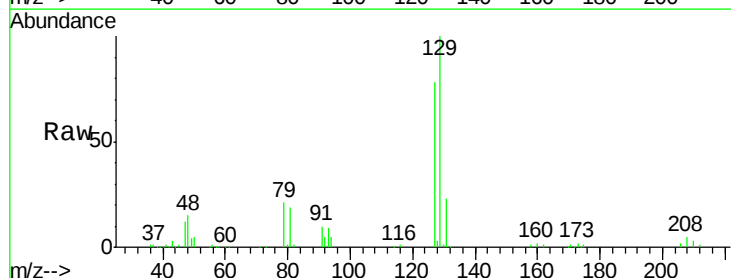
Manual Integrations  
APPROVED

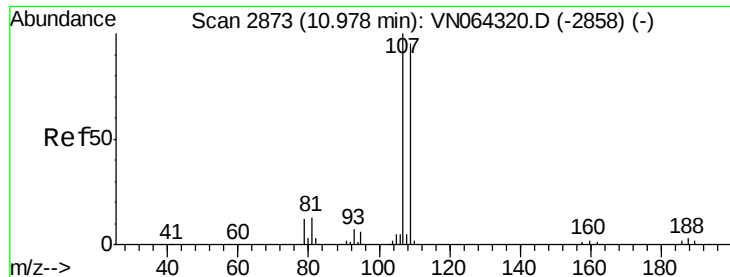
MMDadoda  
10/29/2020 12:01:44 PM



#60  
Dibromochloromethane  
Concen: 52.411 ug/l  
RT: 10.87 min Scan# 2840  
Delta R.T. -0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Tgt Ion: 129 Resp: 187518  
Ion Ratio Lower Upper  
129 100  
127 79.0 38.5 115.3





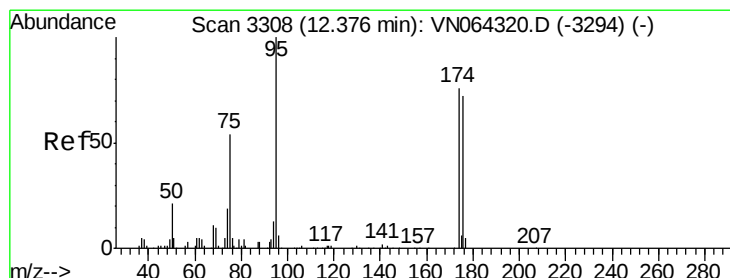
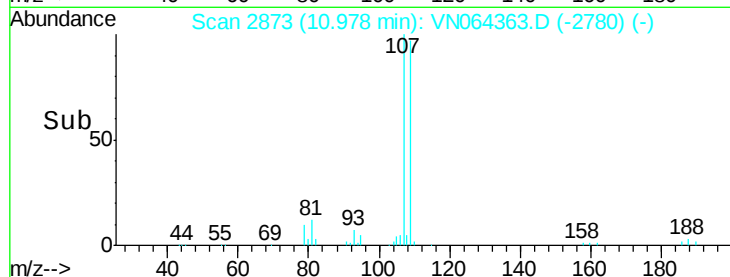
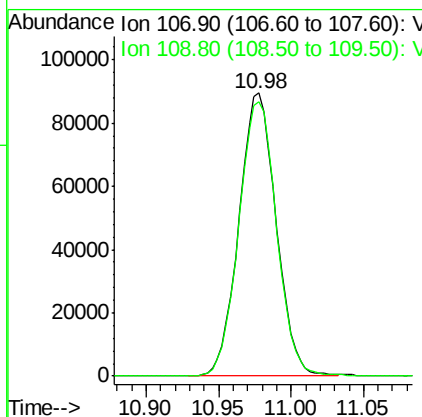
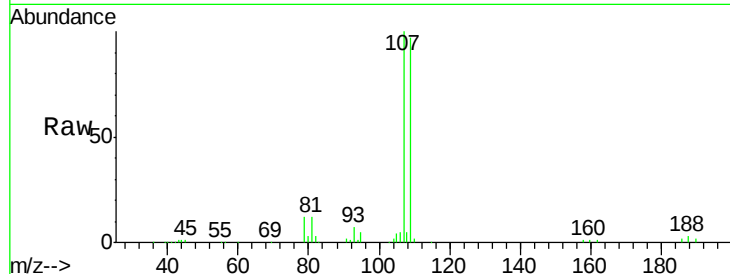
#61  
 1,2-Dibromoethane  
 Concen: 51.903 ug/l  
 RT: 10.98 min Scan# 2873  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 98.5  | 75.8  | 113.8 |

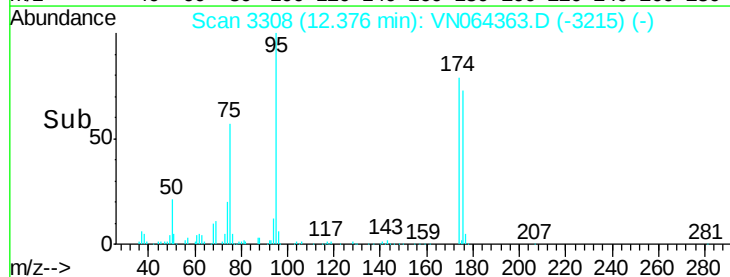
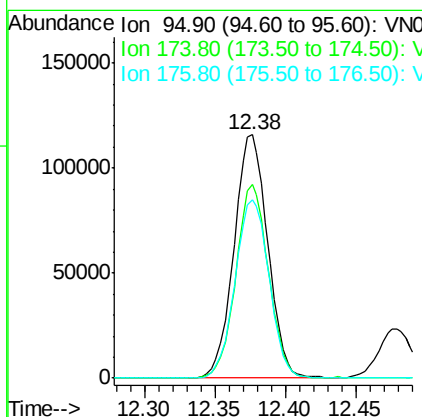
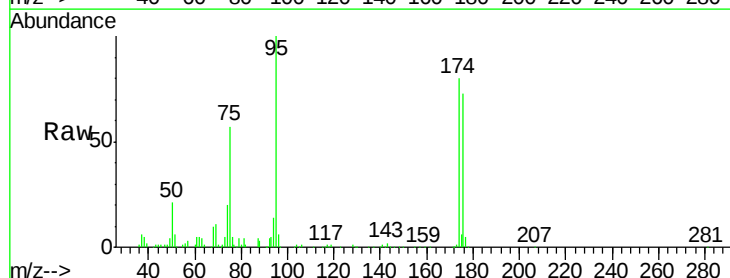
Manual Integrations  
 APPROVED

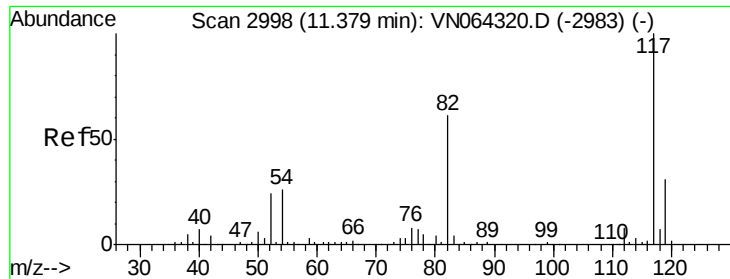
MMDadoda  
 10/29/2020 12:01:44 PM



#62  
 4-Bromofluorobenzene  
 Concen: 46.813 ug/l  
 RT: 12.38 min Scan# 3308  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 76.8  | 0.0   | 147.4 |
| 176     | 73.8  | 0.0   | 143.6 |





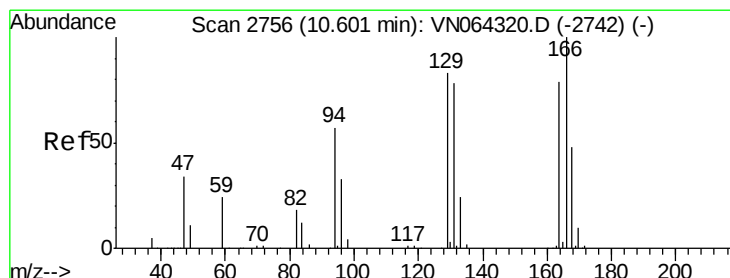
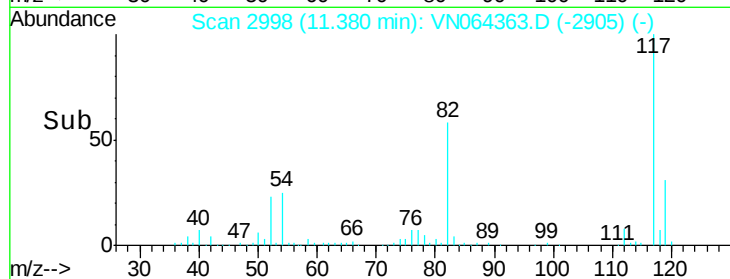
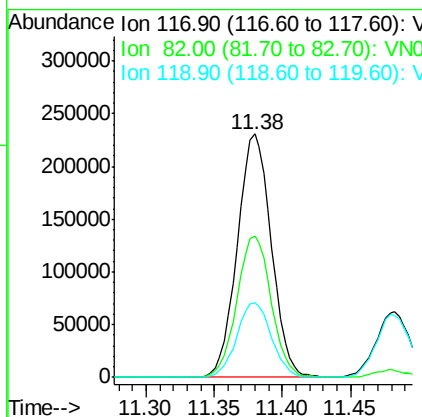
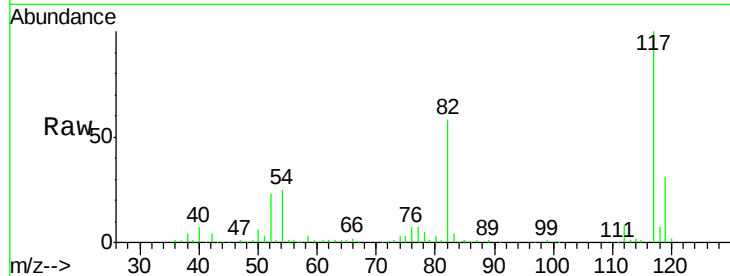
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.38 min Scan# 2998  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 58.1  | 48.8  | 73.2  |
| 119     | 30.7  | 25.1  | 37.7  |

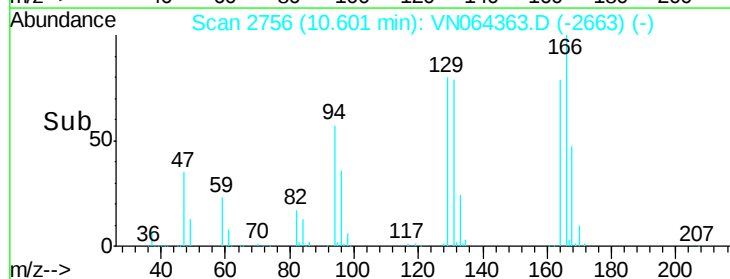
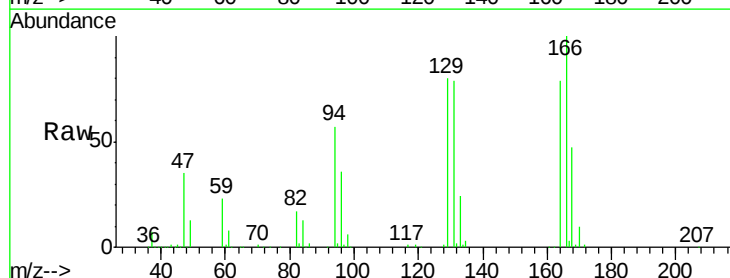
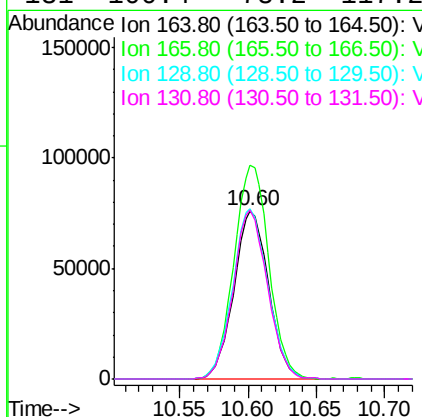
Manual Integrations  
APPROVED

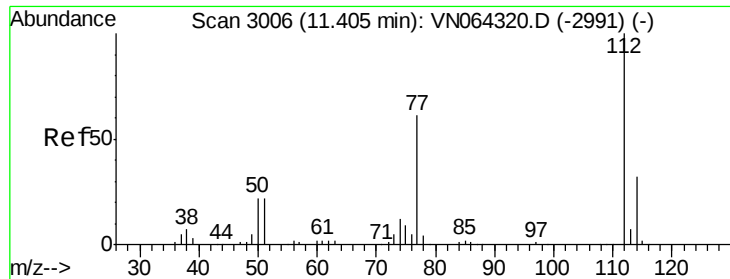
MMDadoda  
10/29/2020 12:01:44 PM



#64  
Tetrachloroethene  
Concen: 40.899 ug/l  
RT: 10.60 min Scan# 2756  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 127.2 | 100.7 | 151.1 |
| 129     | 101.4 | 83.7  | 125.5 |
| 131     | 100.4 | 78.2  | 117.2 |





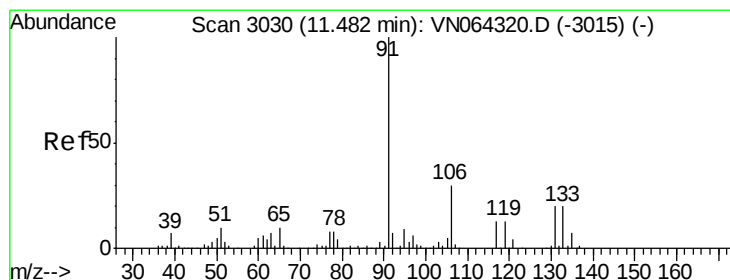
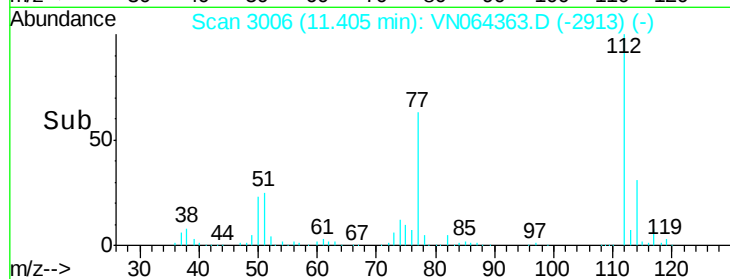
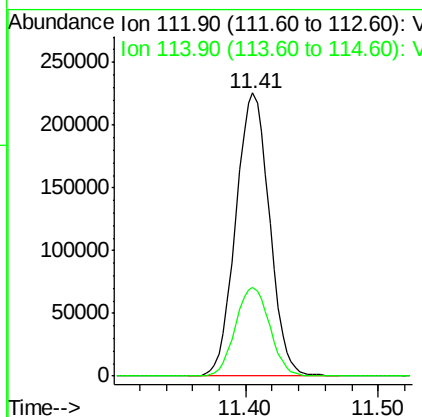
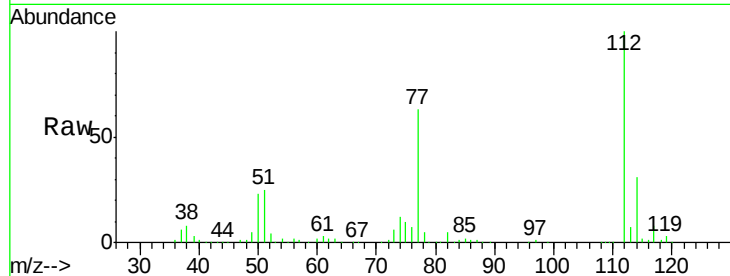
#65  
Chlorobenzene  
Concen: 49.220 ug/l  
RT: 11.41 min Scan# 3006  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 397900  
Ion Ratio Lower Upper  
112 100  
114 31.3 25.4 38.0

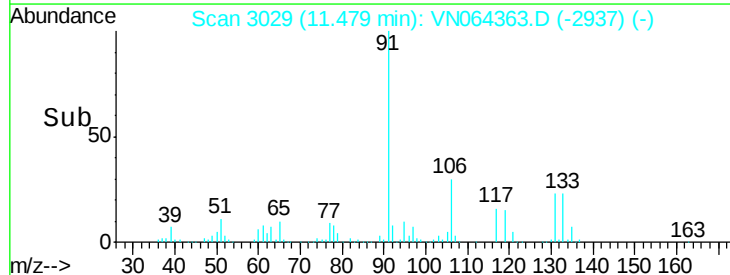
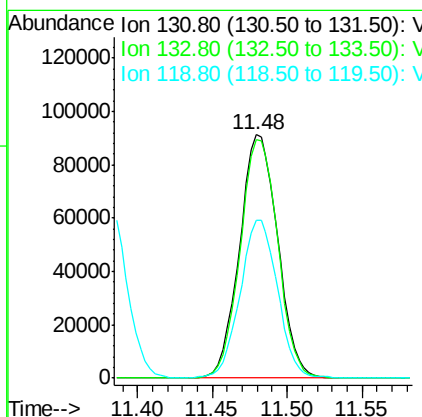
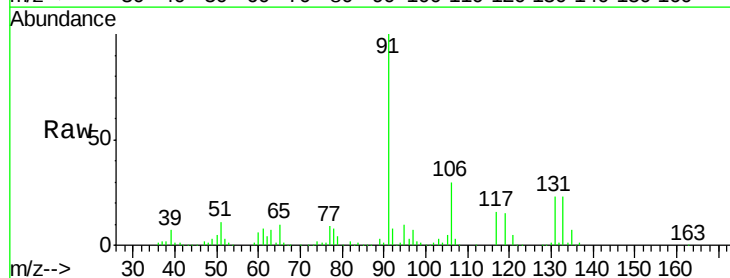
Manual Integrations  
APPROVED

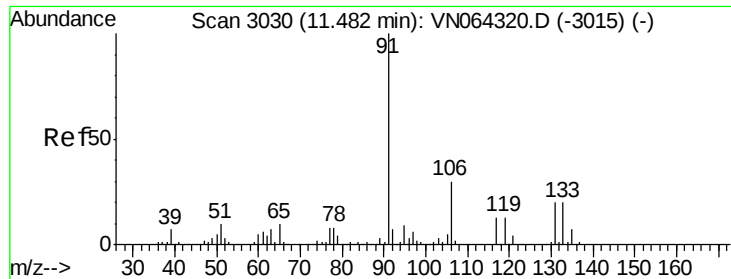
MMDadoda  
10/29/2020 12:01:44 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.694 ug/l  
RT: 11.48 min Scan# 3029  
Delta R.T. -0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Tgt Ion:131 Resp: 162375  
Ion Ratio Lower Upper  
131 100  
133 96.4 49.3 147.8  
119 63.7 32.3 96.9





#67

Ethyl Benzene

Concen: 46.529 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 699313

Ion Ratio Lower Upper

91 100

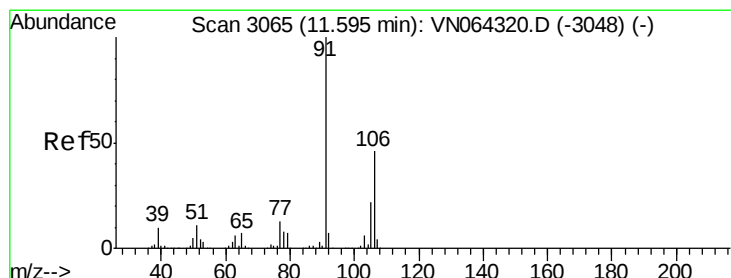
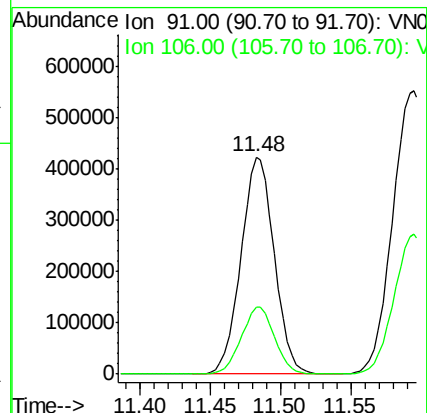
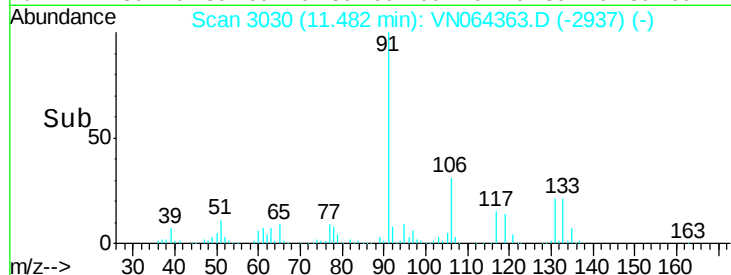
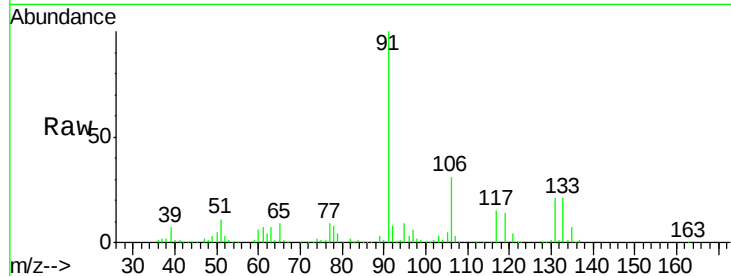
106 30.9 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

10/29/2020 12:01:44 PM



#68

m/p-Xylenes

Concen: 93.042 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064363.D

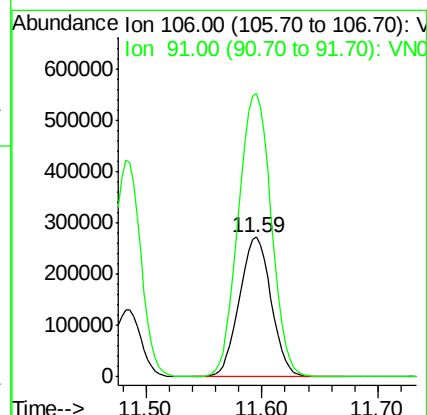
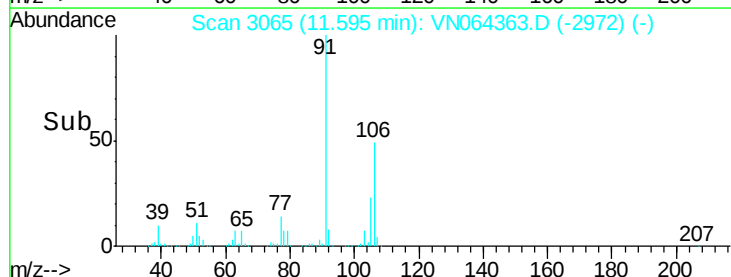
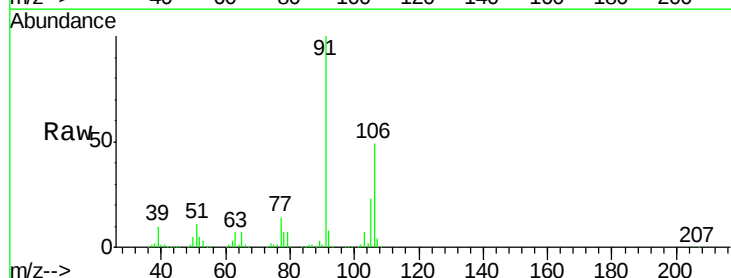
Acq: 28 Oct 2020 19:31

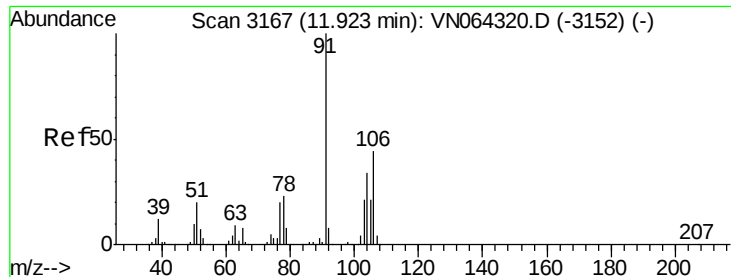
Tgt Ion: 106 Resp: 518225

Ion Ratio Lower Upper

106 100

91 209.7 170.2 255.4





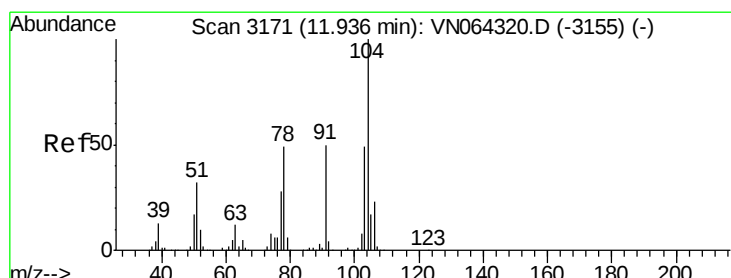
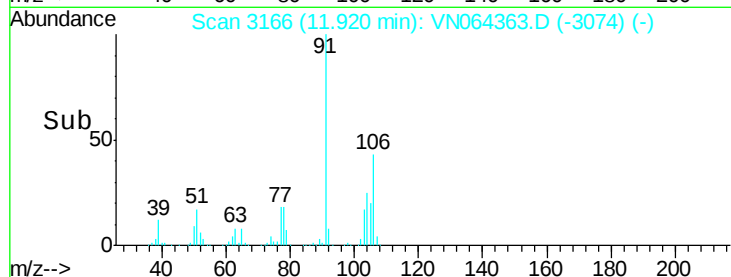
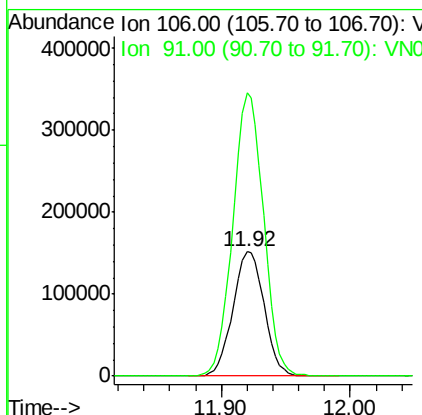
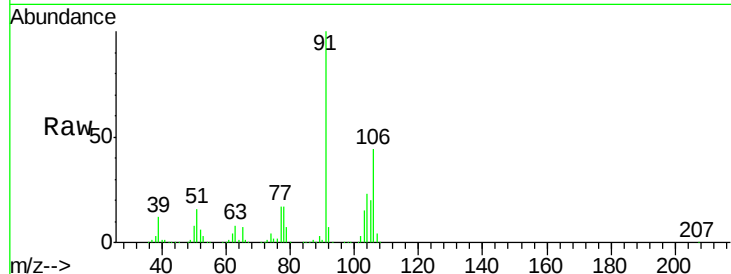
#69  
o-Xylene  
Concen: 47.626 ug/l  
RT: 11.92 min Scan# 3166  
Delta R.T. -0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 106     | 100   |       | 255563 |       |       |
| 91      | 223.2 | 114.5 | 343.5  |       |       |

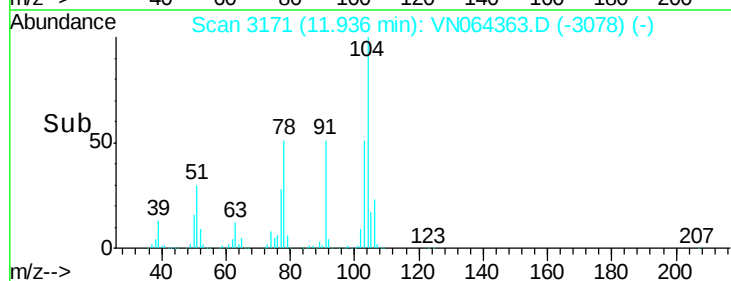
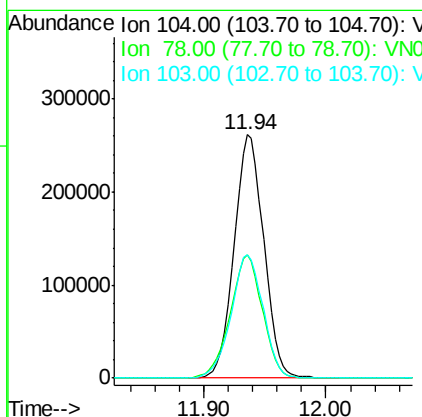
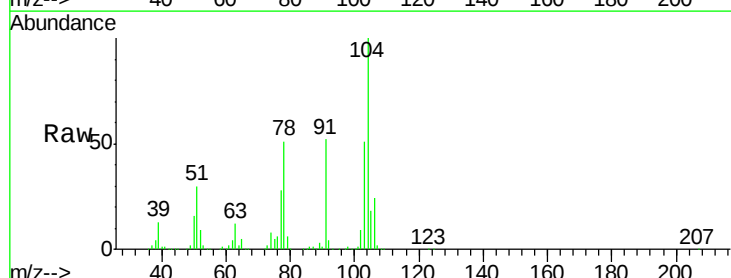
Manual Integrations  
APPROVED

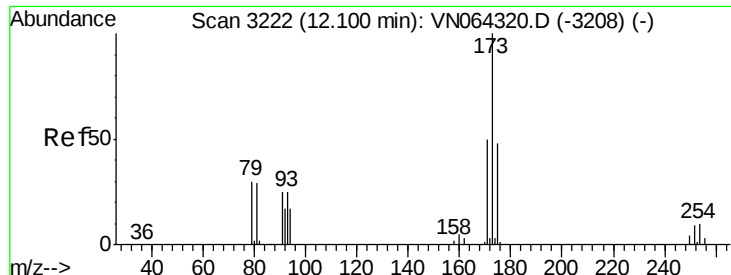
MMDadoda  
10/29/2020 12:01:44 PM



#70  
Styrene  
Concen: 50.062 ug/l  
RT: 11.94 min Scan# 3171  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 104     | 100  |       | 440448 |       |       |
| 78      | 55.3 | 43.7  | 65.5   |       |       |
| 103     | 54.6 | 43.3  | 64.9   |       |       |





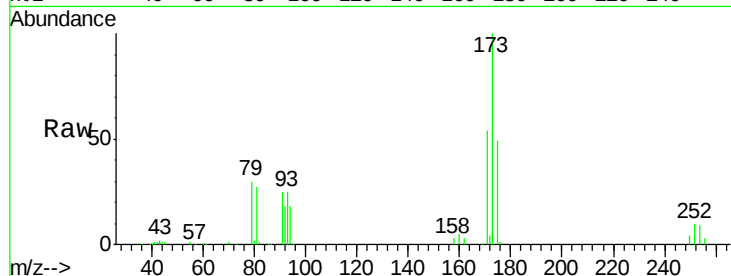
#71  
Bromoform  
Concen: 50.420 ug/l  
RT: 12.10 min Scan# 3222  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.1  | 25.4  | 76.0  |
| 254     | 0.0   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

MMDadoda  
10/29/2020 12:01:44 PM

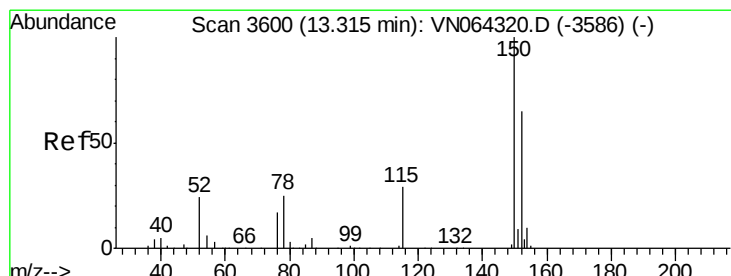
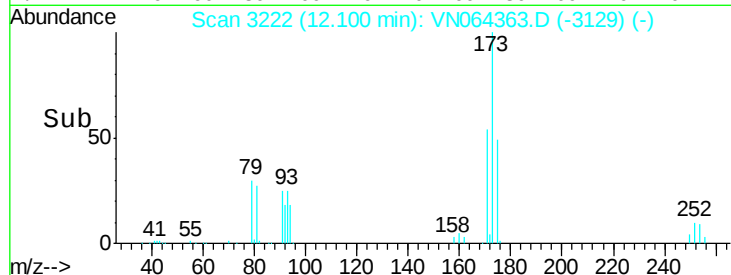
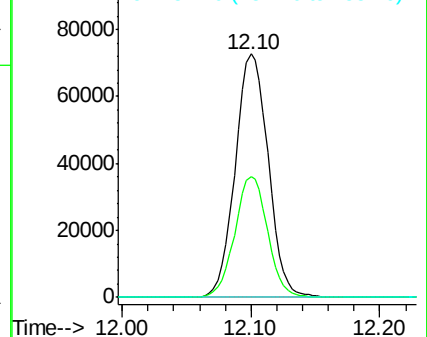


Abundance

Ion 172.70 (172.40 to 173.40): V

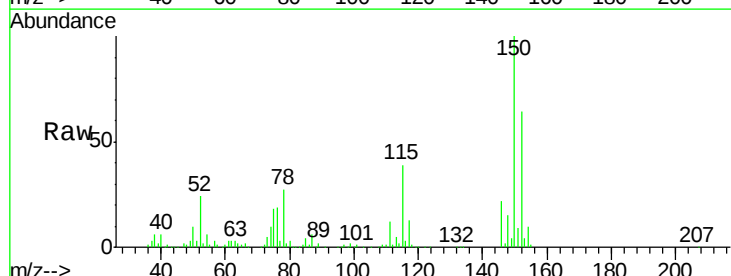
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.32 min Scan# 3601  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.4  | 31.5  | 94.5  |
| 150     | 170.7 | 0.0   | 346.2 |

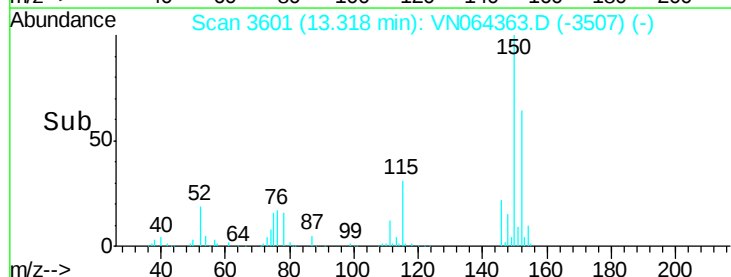
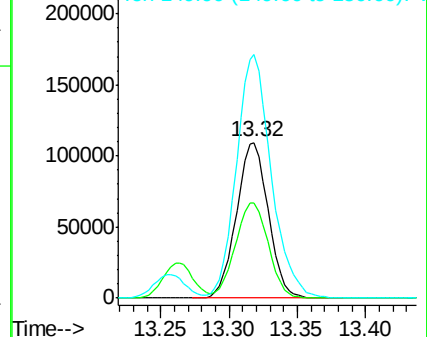


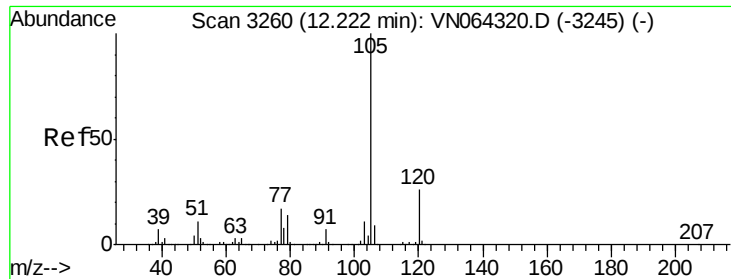
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.334 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 628670

Ion Ratio Lower Upper

105 100

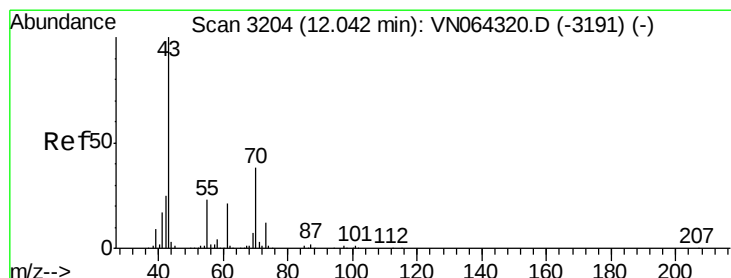
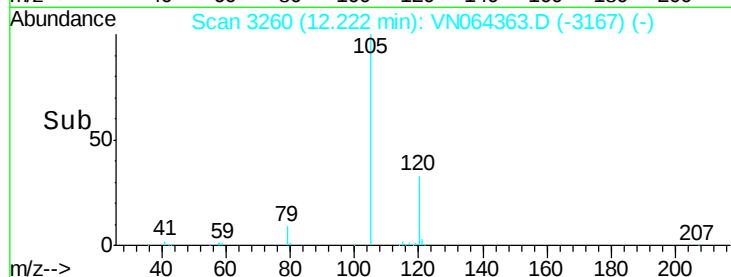
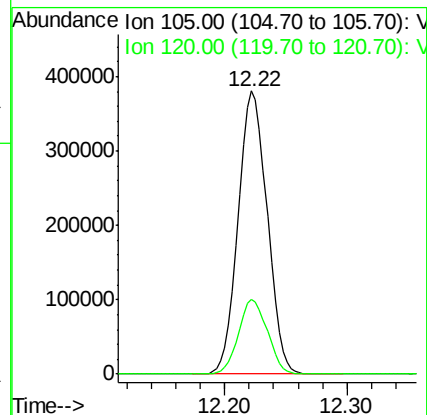
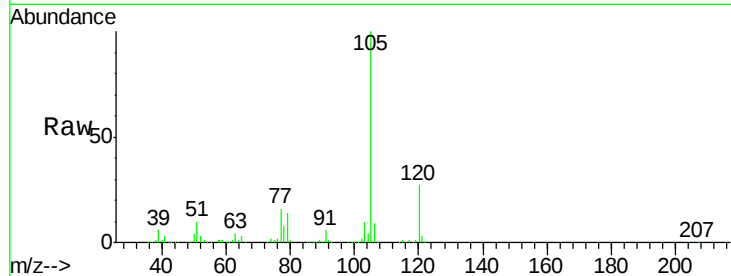
120 26.1 13.2 39.5

Manual Integrations

APPROVED

MMDadoda

10/29/2020 12:01:44 PM



#74

N-ethyl acetate

Concen: 56.713 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Tgt Ion: 43 Resp: 331542

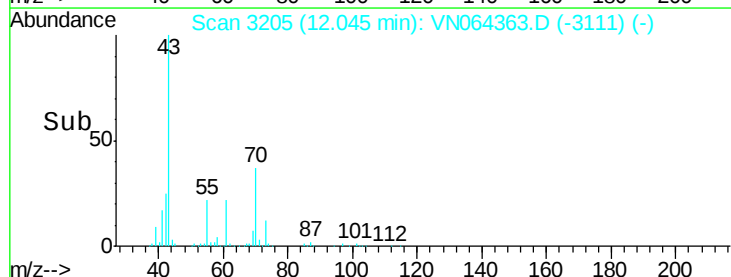
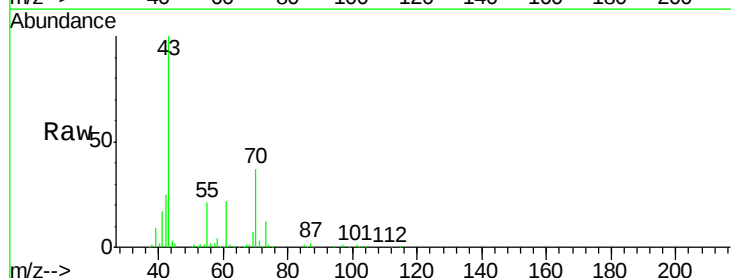
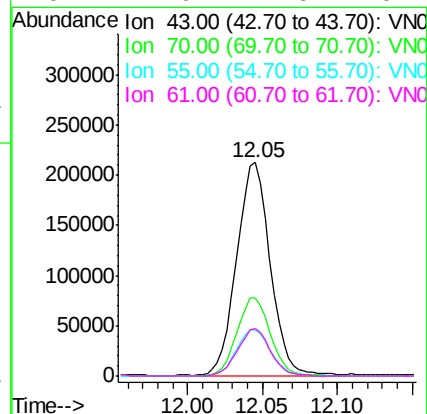
Ion Ratio Lower Upper

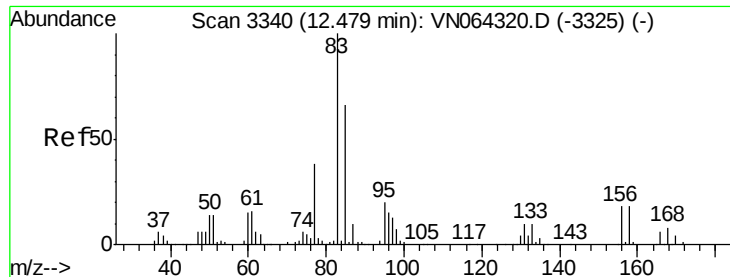
43 100

70 36.7 30.6 45.8

55 22.4 18.2 27.4

61 21.9 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.250 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

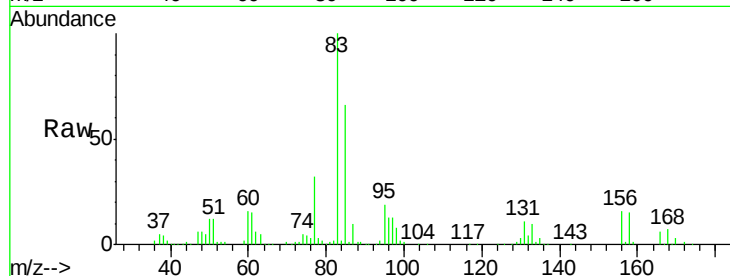
ClientSampleId :

VSTDCCC050EC

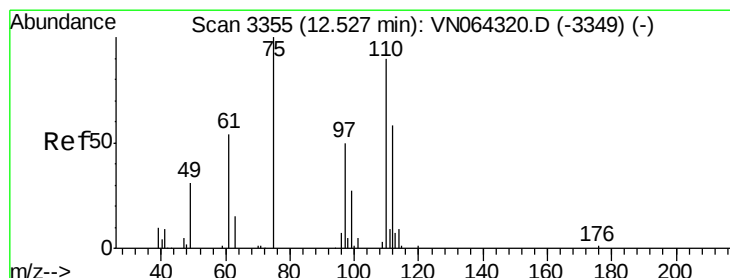
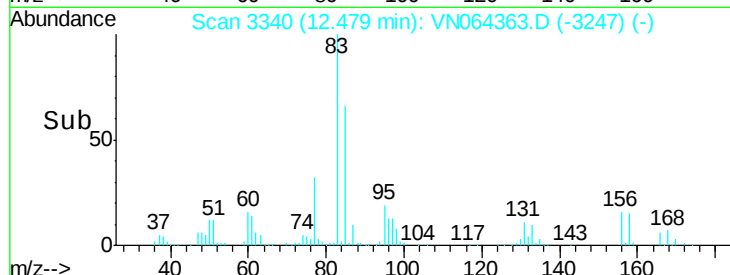
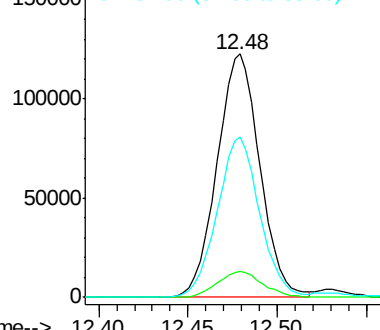
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 205576 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 11.4  | 5.4   | 16.2   |
| 85        | 65.1  | 33.0  | 98.9   |

Manual Integrations  
APPROVED

MMDadoda  
10/29/2020 12:01:44 PM



Abundance Ion 82.90 (82.60 to 83.60): VN064363.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 47.882 ug/l m

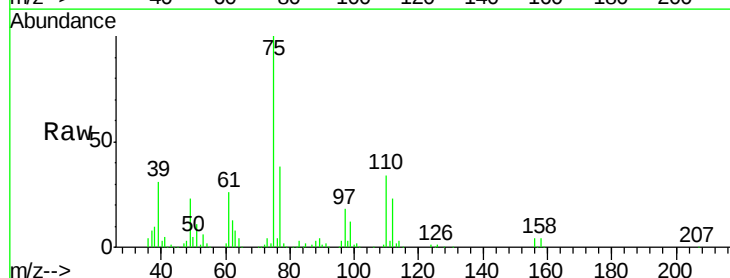
RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

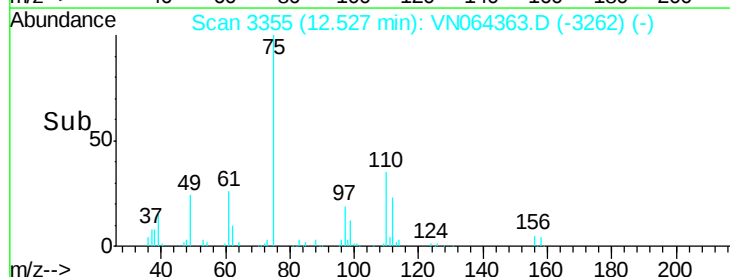
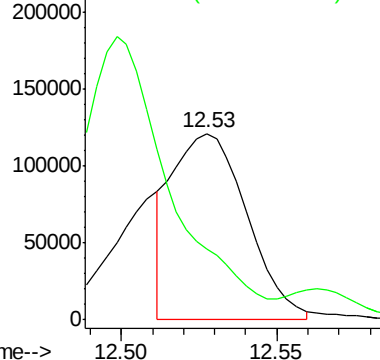
Lab File: VN064363.D

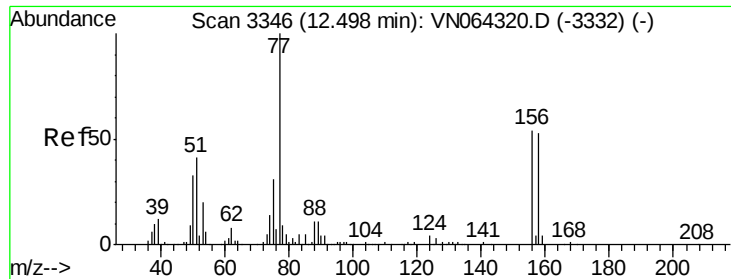
Acq: 28 Oct 2020 19:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 203334 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |



Abundance Ion 74.90 (74.60 to 75.60): VN064363.D (-3262) (-)





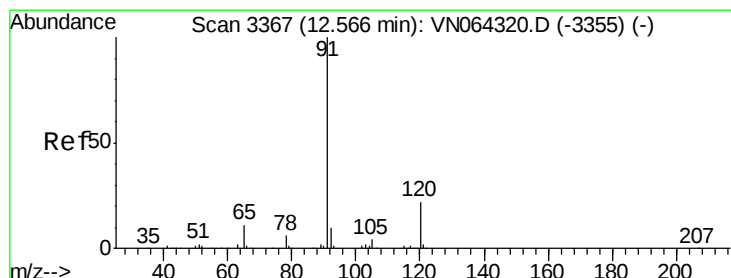
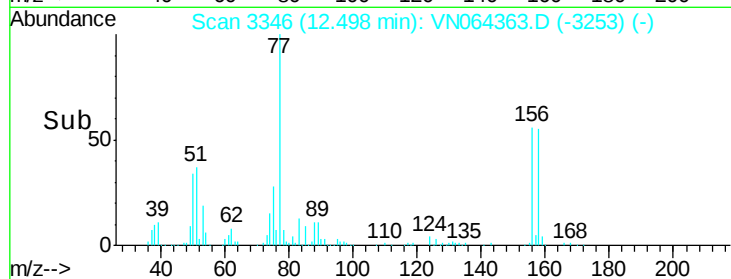
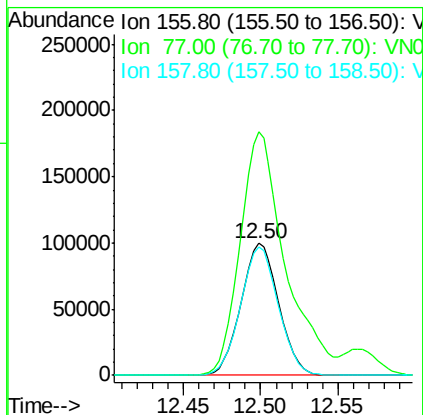
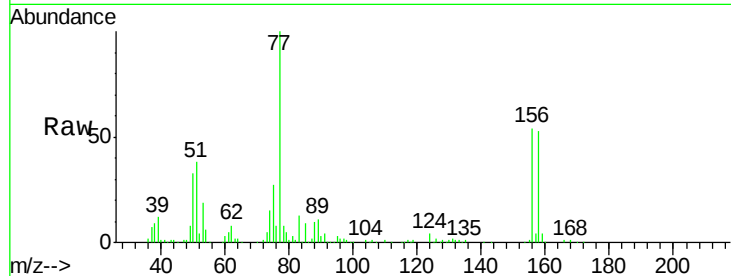
#77  
Bromobenzene  
Concen: 52.021 ug/l  
RT: 12.50 min Scan# 3346  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 221.6 | 111.9 | 335.7 |
| 158     | 97.5  | 49.0  | 147.0 |

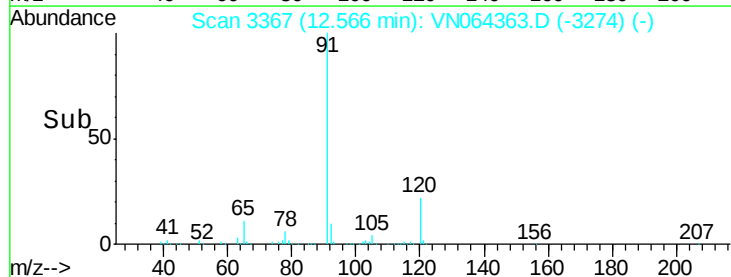
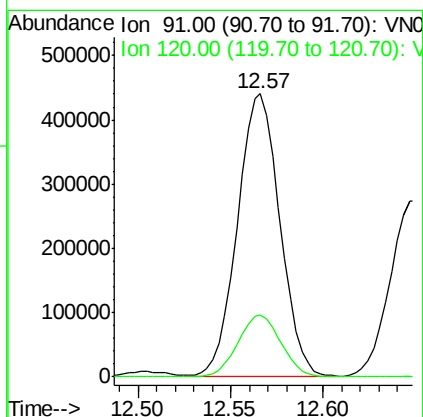
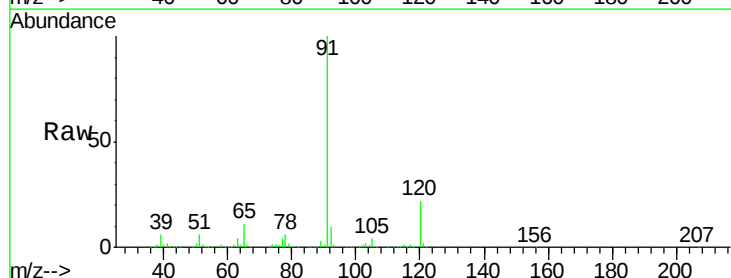
Manual Integrations  
APPROVED

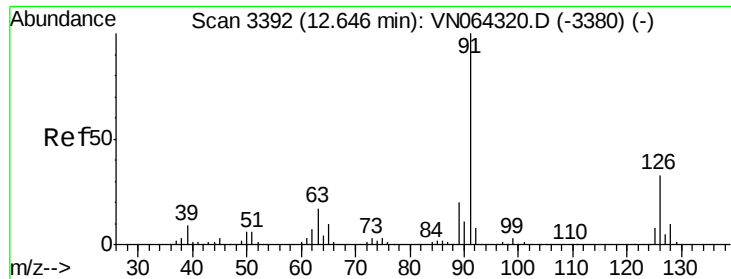
MMDadoda  
10/29/2020 12:01:44 PM



#78  
n-propylbenzene  
Concen: 46.522 ug/l  
RT: 12.57 min Scan# 3367  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 22.2  | 11.2  | 33.5  |





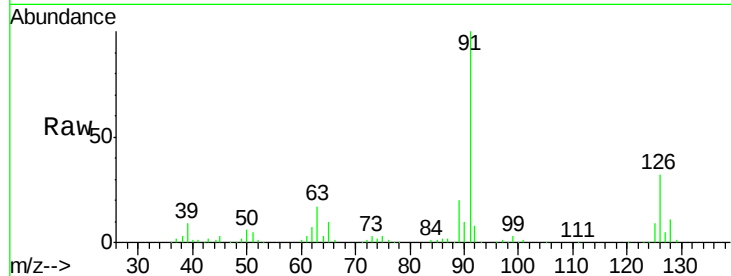
#79  
2-Chlorotoluene  
Concen: 47.888 ug/l  
RT: 12.65 min Scan# 3393  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

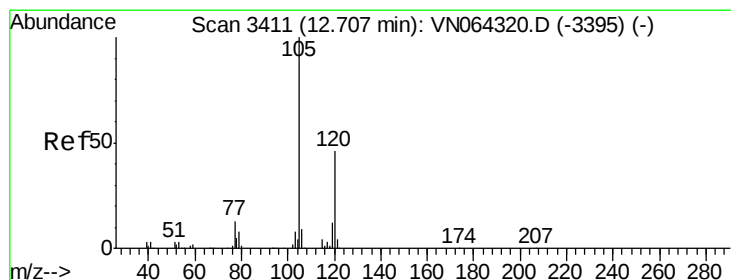
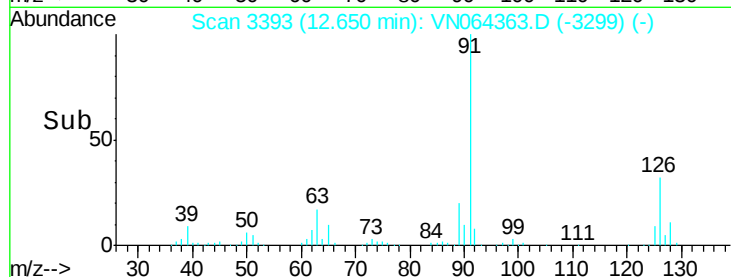
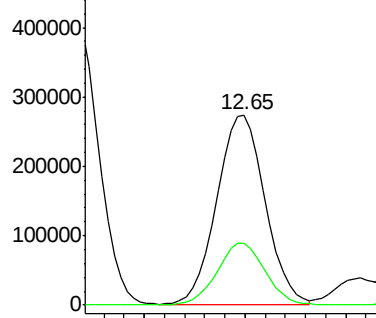
Tot Ion: 91 Resp: 460300  
Ion Ratio Lower Upper  
91 100  
126 32.6 16.2 48.5

Manual Integrations  
APPROVED

MMDadoda  
10/29/2020 12:01:44 PM

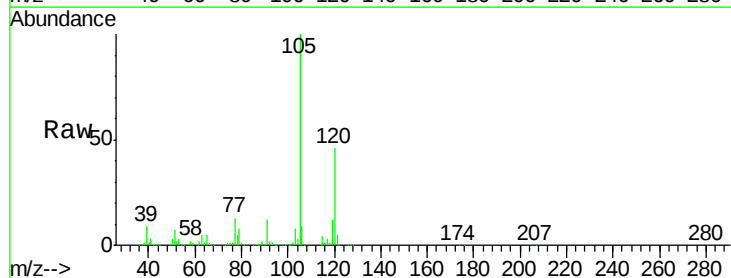


Abundance Ion 91.00 (90.70 to 91.70): VN064320.D (-3380) (-)  
Ion 125.90 (125.60 to 126.60): VN064320.D (-3380) (-)

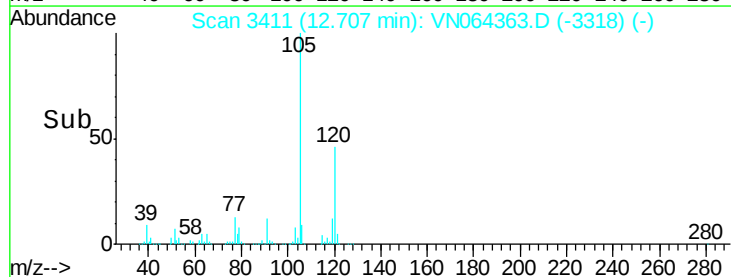
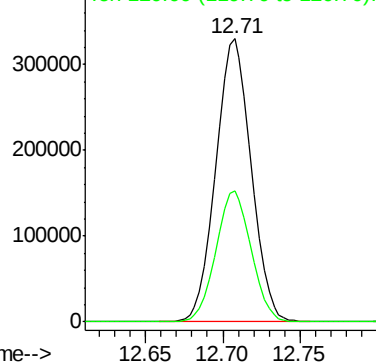


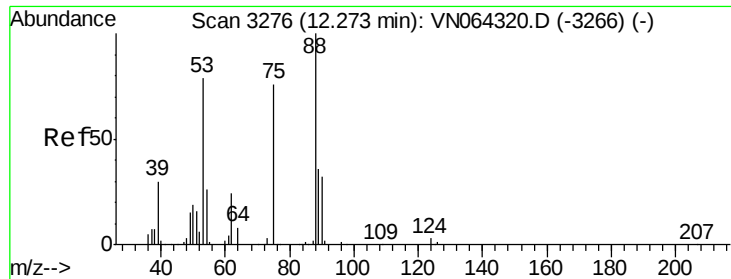
#80  
1,3,5-Trimethylbenzene  
Concen: 46.650 ug/l  
RT: 12.71 min Scan# 3411  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Tgt Ion: 105 Resp: 524263  
Ion Ratio Lower Upper  
105 100  
120 46.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064320.D (-3395) (-)  
Ion 120.00 (119.70 to 120.70): VN064320.D (-3395) (-)





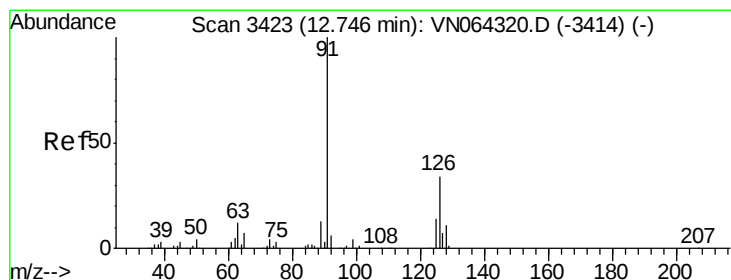
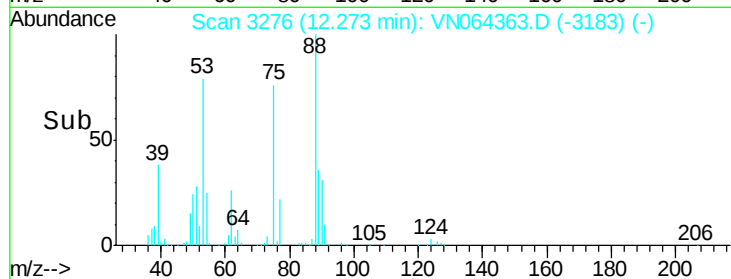
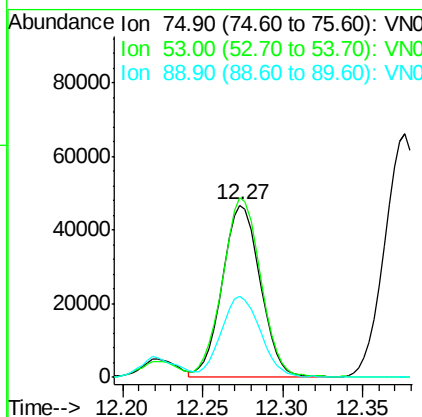
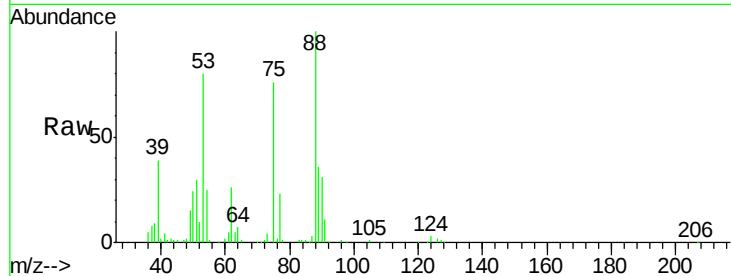
#81  
trans-1,4-Dichloro-2-butene  
Concen: 51.773 ug/l  
RT: 12.27 min Scan# 3276  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 103.8 | 81.8  | 122.8 |
| 89      | 47.3  | 39.9  | 59.9  |

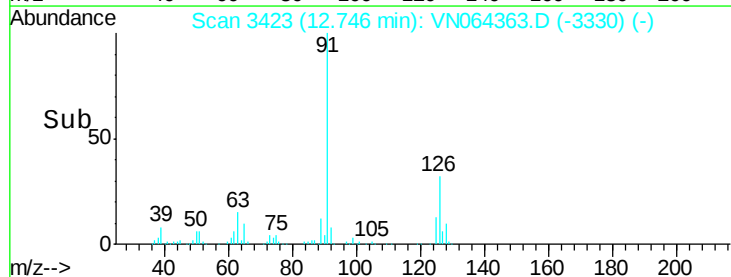
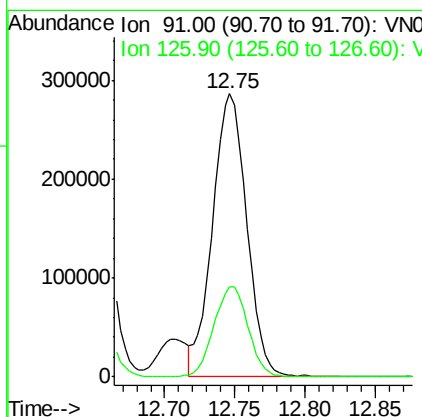
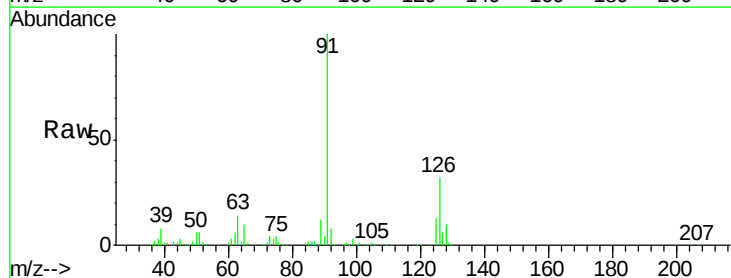
Manual Integrations  
APPROVED

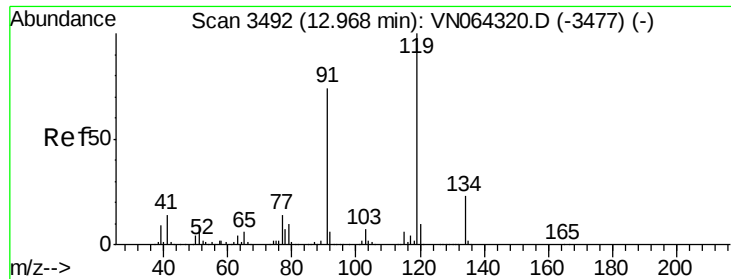
MMDadoda  
10/29/2020 12:01:44 PM



#82  
4-Chlorotoluene  
Concen: 48.942 ug/l  
RT: 12.75 min Scan# 3423  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 32.2  | 15.8  | 47.3  |





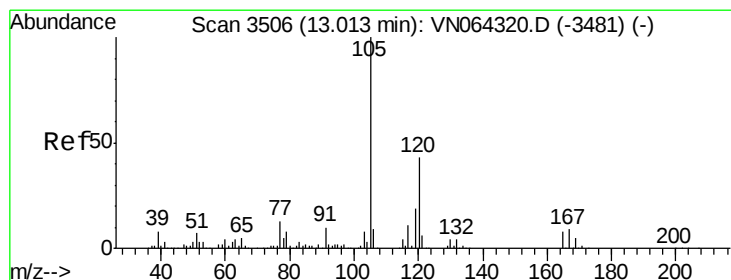
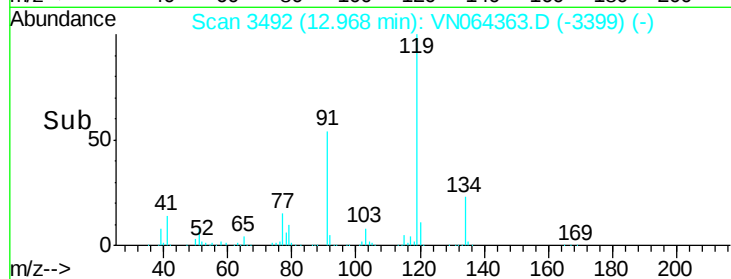
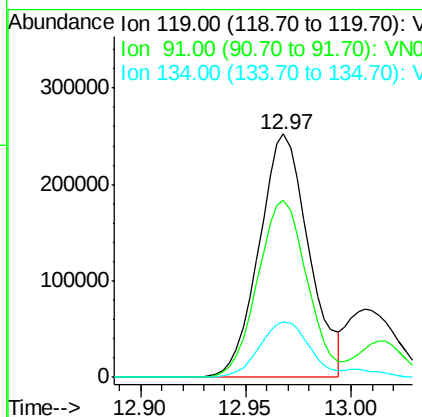
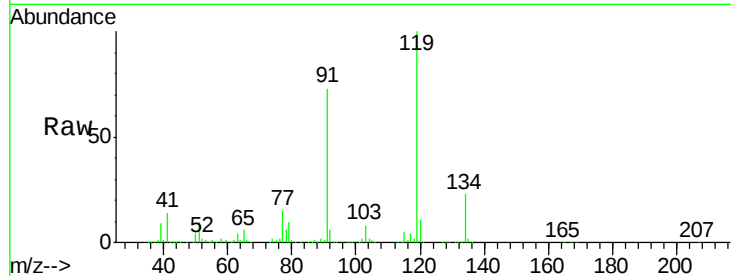
#83  
 tert-Butylbenzene  
 Concen: 44.942 ug/l  
 RT: 12.97 min Scan# 3492  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 72.9  | 36.4  | 109.1 |
| 134     | 22.7  | 12.0  | 36.1  |

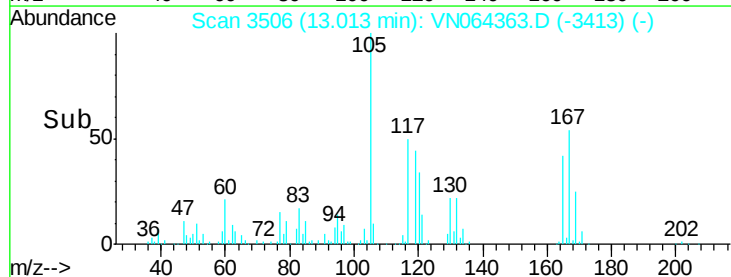
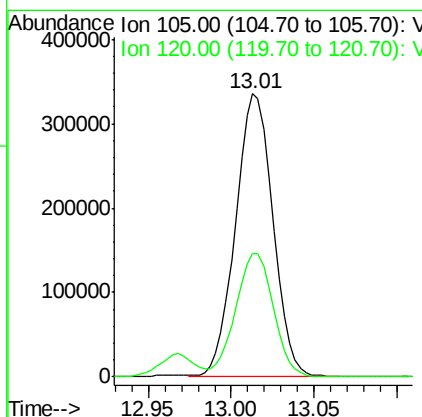
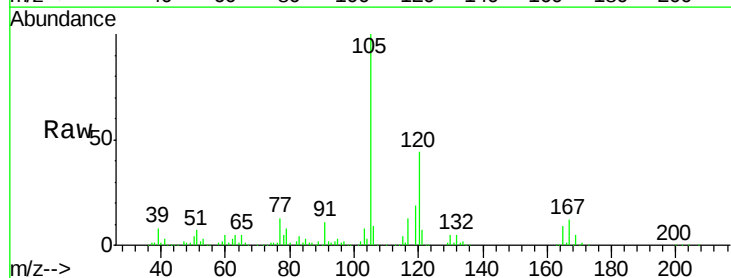
Manual Integrations  
 APPROVED

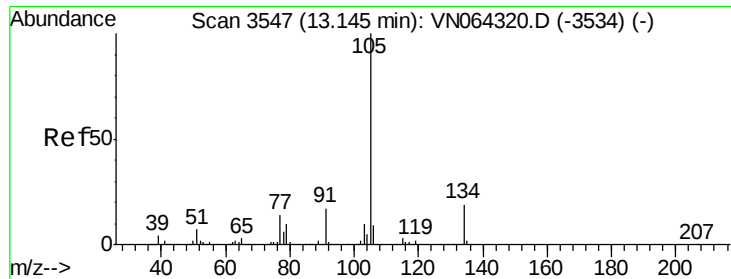
MMDadoda  
 10/29/2020 12:01:44 PM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 46.785 ug/l  
 RT: 13.01 min Scan# 3506  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 44.5  | 21.3  | 64.0  |





#85

sec-Butylbenzene

Concen: 42.891 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 511848

Ion Ratio Lower Upper

105 100

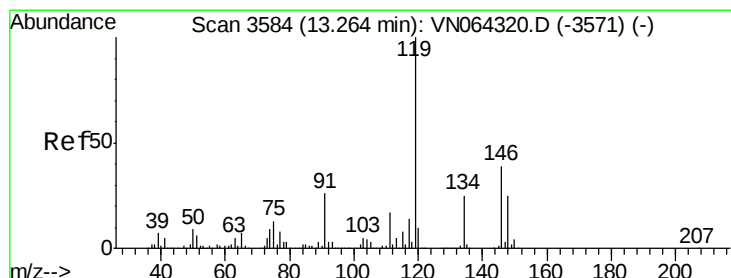
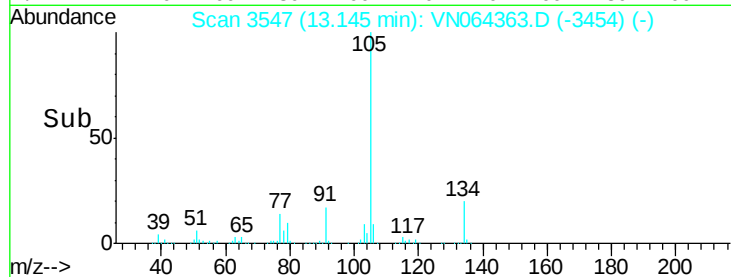
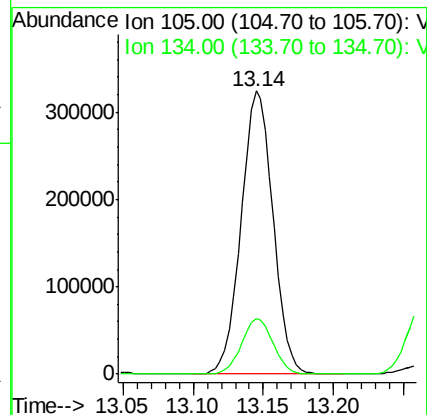
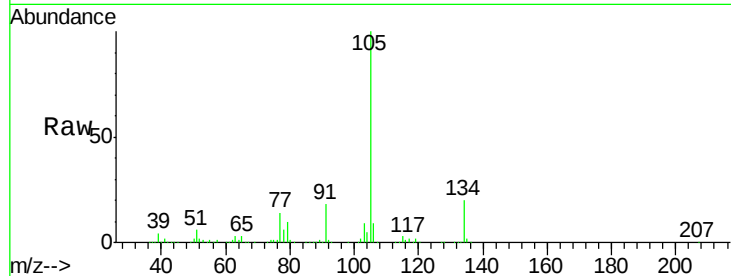
134 19.5 9.6 28.8

Manual Integrations

APPROVED

MMDadoda

10/29/2020 12:01:44 PM



#86

p-Isopropyltoluene

Concen: 43.923 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

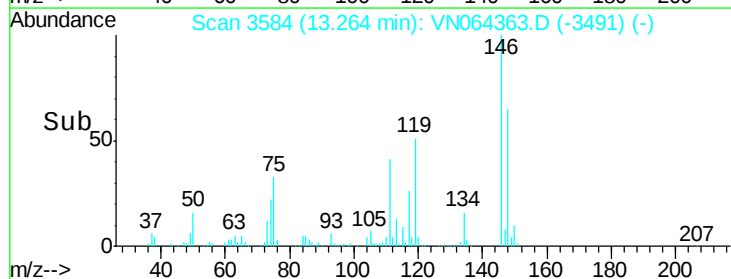
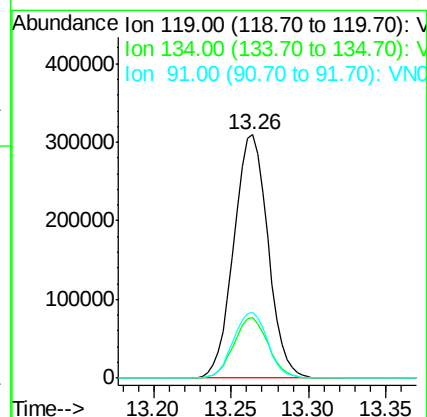
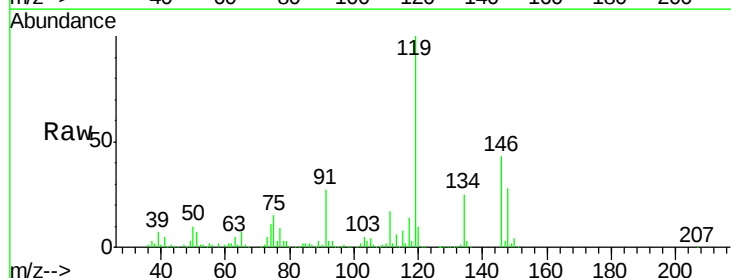
Tgt Ion:119 Resp: 472219

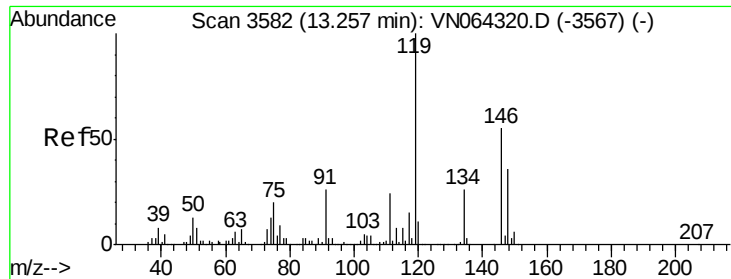
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.4

91 27.1 13.0 38.9





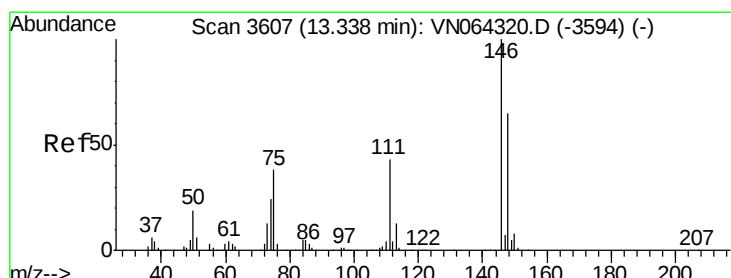
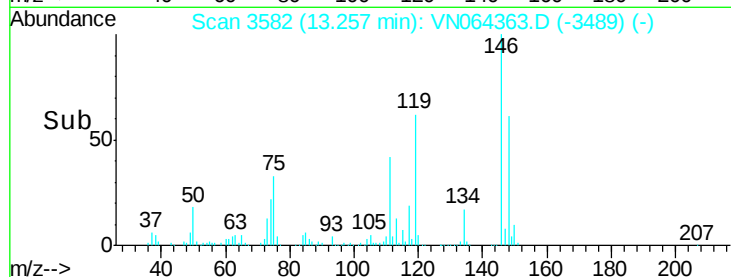
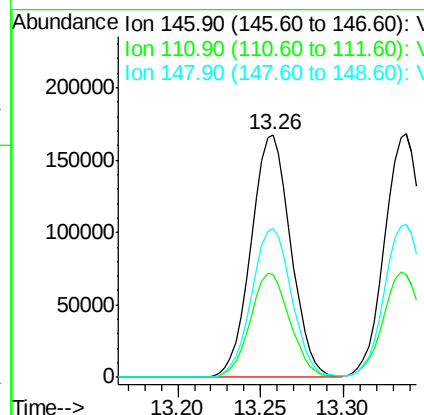
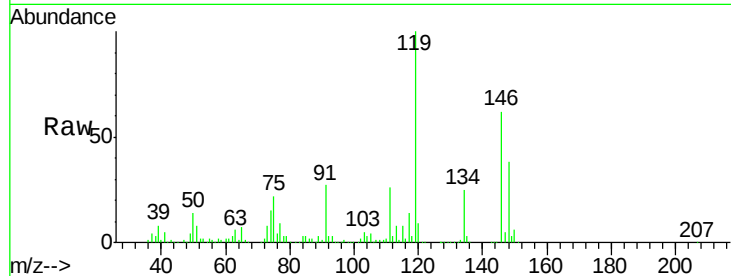
#87  
 1,3-Dichlorobenzene  
 Concen: 48.929 ug/l  
 RT: 13.26 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.0  | 21.9  | 65.5  |
| 148     | 61.8  | 32.6  | 98.0  |

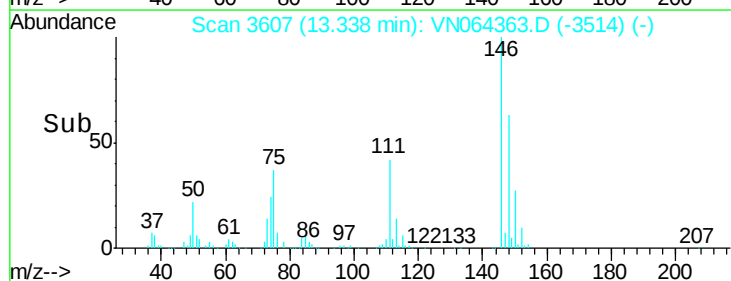
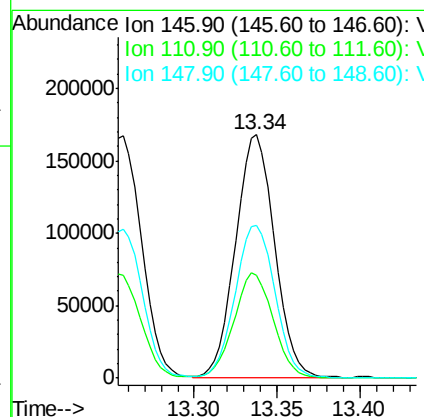
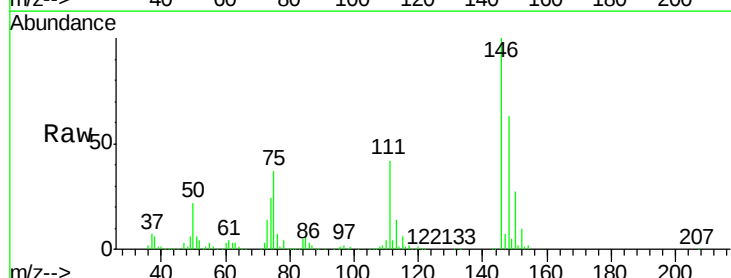
Manual Integrations  
 APPROVED

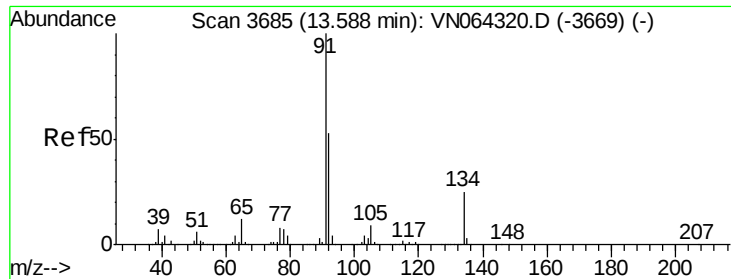
MMDadoda  
 10/29/2020 12:01:44 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 47.338 ug/l  
 RT: 13.34 min Scan# 3607  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 43.7  | 21.8  | 65.4  |
| 148     | 64.7  | 31.8  | 95.3  |





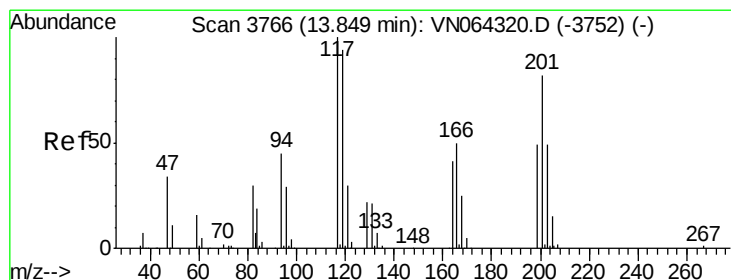
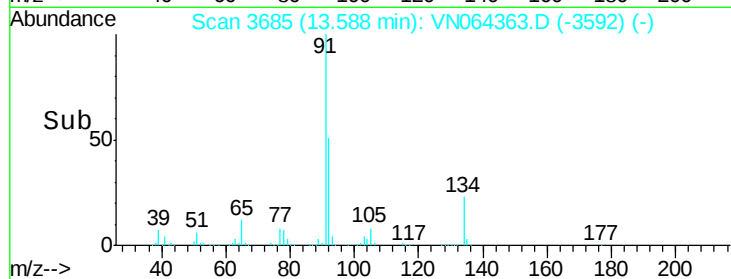
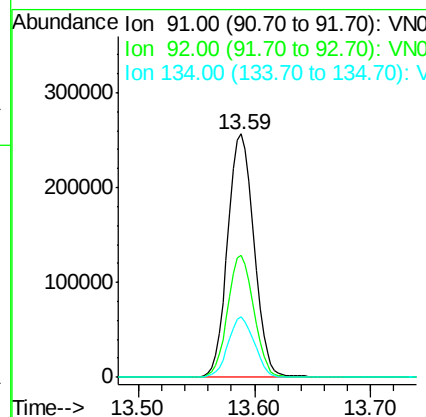
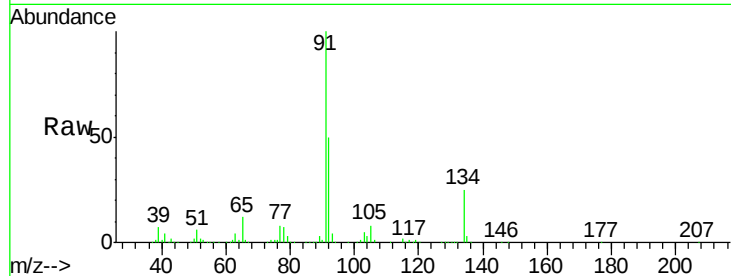
#89  
n-Butylbenzene  
Concen: 42.660 ug/l  
RT: 13.59 min Scan# 3685  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 49.9  | 26.2  | 78.5  |
| 134     | 24.5  | 12.4  | 37.4  |

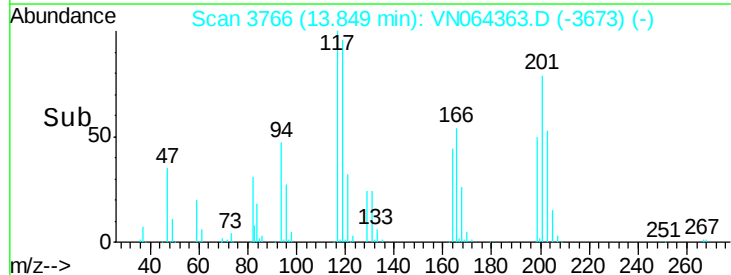
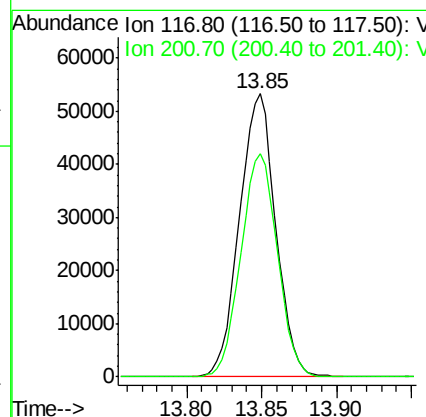
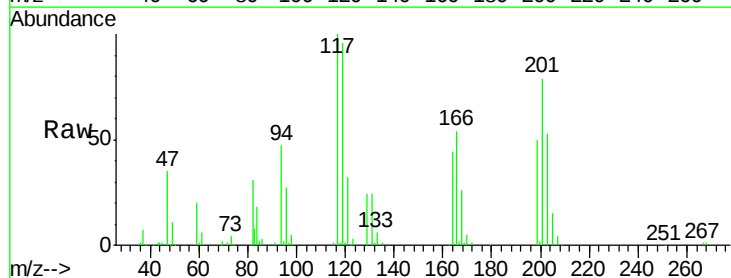
Manual Integrations  
APPROVED

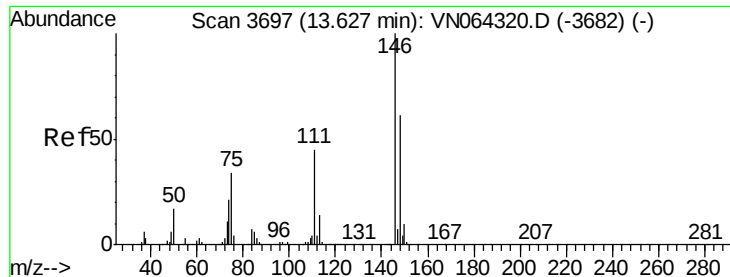
MMDadoda  
10/29/2020 12:01:44 PM



#90  
Hexachloroethane  
Concen: 44.466 ug/l  
RT: 13.85 min Scan# 3766  
Delta R.T. 0.00 min  
Lab File: VN064363.D  
Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 79.6  | 39.8  | 119.3 |





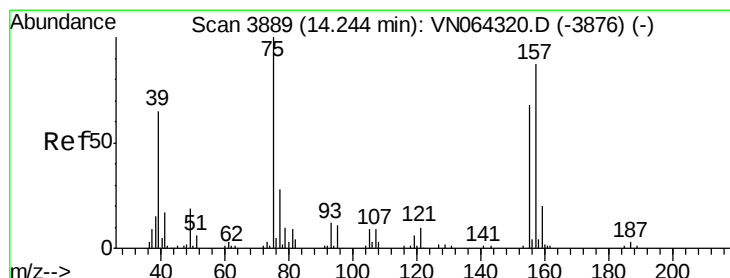
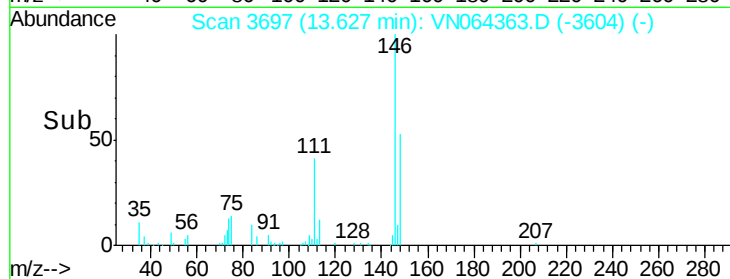
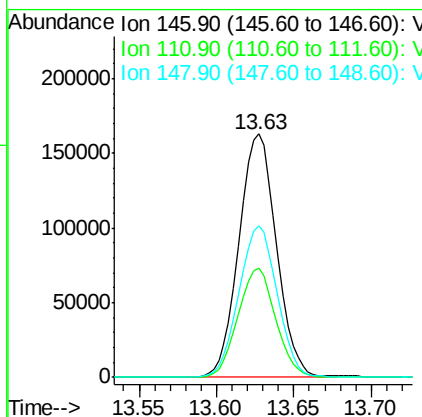
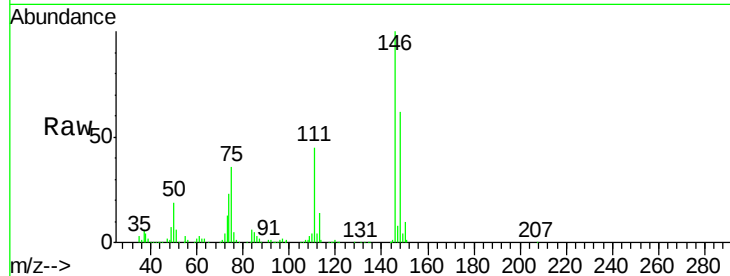
#91  
 1,2-Dichlorobenzene  
 Concen: 48.674 ug/l  
 RT: 13.63 min Scan# 3697  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.1  | 23.0  | 69.0  |
| 148     | 63.5  | 32.1  | 96.3  |

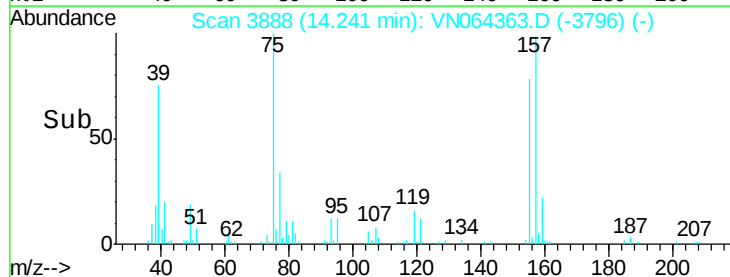
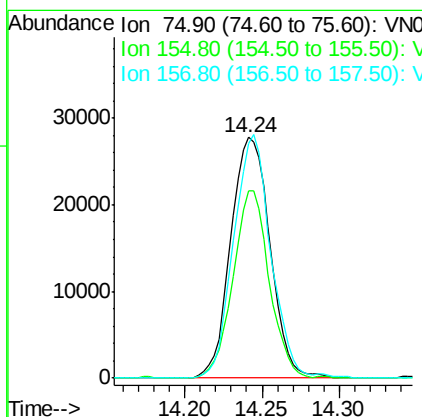
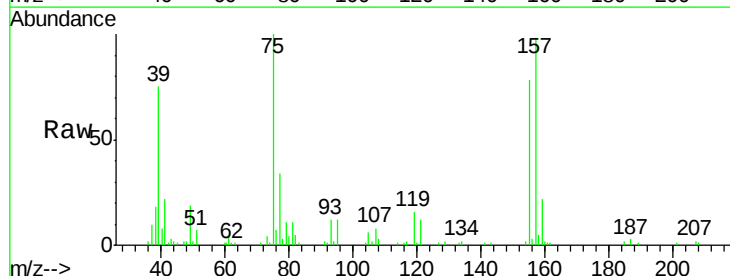
Manual Integrations  
 APPROVED

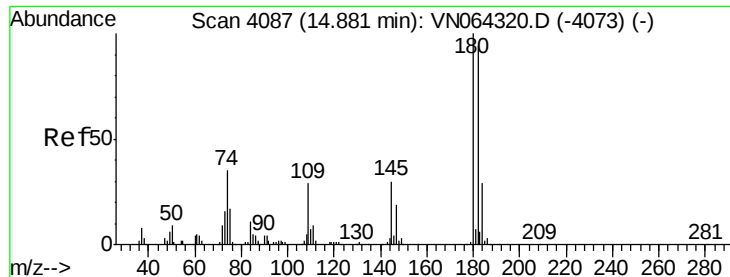
MMDadoda  
 10/29/2020 12:01:44 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 51.130 ug/l  
 RT: 14.24 min Scan# 3888  
 Delta R.T. -0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 71.6  | 35.1  | 105.5 |
| 157     | 95.0  | 43.2  | 129.6 |





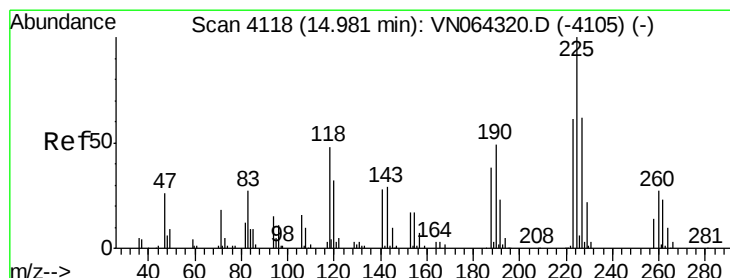
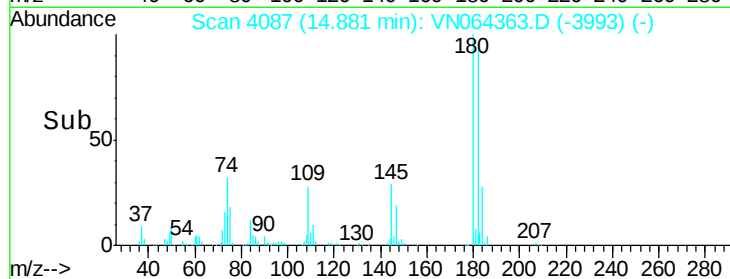
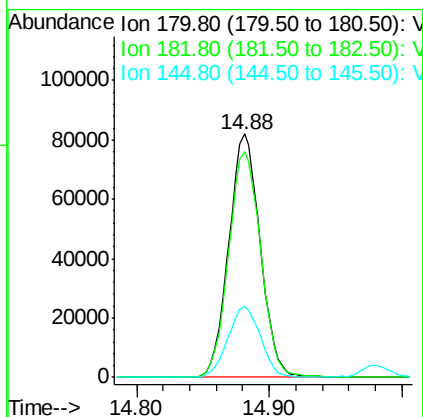
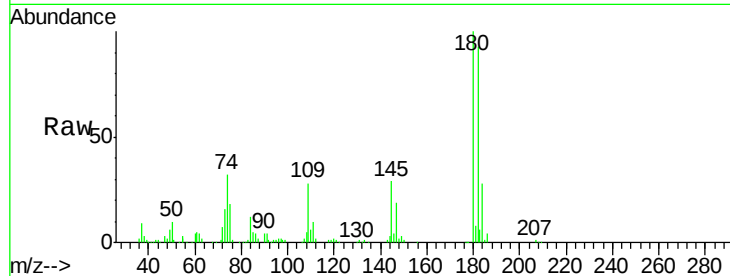
#93  
 1,2,4-Trichlorobenzene  
 Concen: 41.735 ug/l  
 RT: 14.88 min Scan# 4087  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 134643 |       |       |
| 182     | 95.3  | 46.6   | 139.7 |       |
| 145     | 30.3  | 15.3   | 45.9  |       |

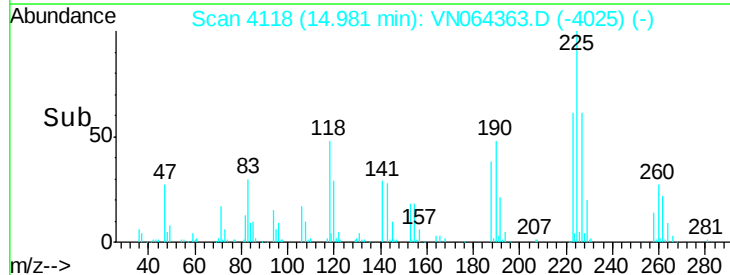
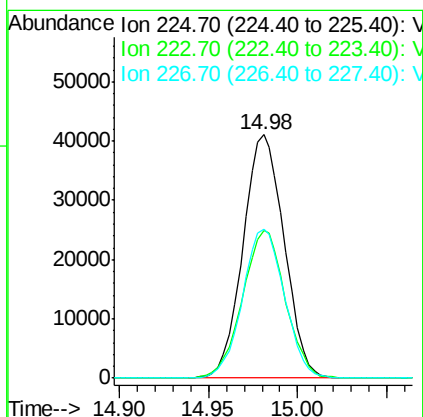
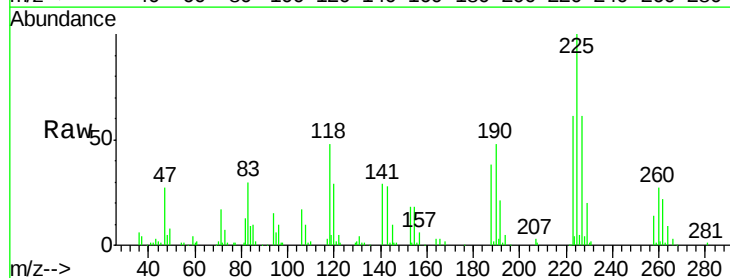
Manual Integrations  
 APPROVED

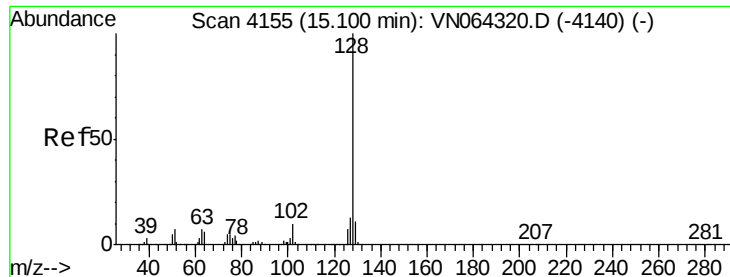
MMDadoda  
 10/29/2020 12:01:44 PM



#94  
 Hexachlorobutadiene  
 Concen: 38.155 ug/l  
 RT: 14.98 min Scan# 4118  
 Delta R.T. 0.00 min  
 Lab File: VN064363.D  
 Acq: 28 Oct 2020 19:31

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 66278 |       |       |
| 223     | 63.2  | 31.3  | 93.8  |       |
| 227     | 62.1  | 32.3  | 96.9  |       |





#95

Naphthalene

Concen: 41.844 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

Instrument :

MSVOA\_N

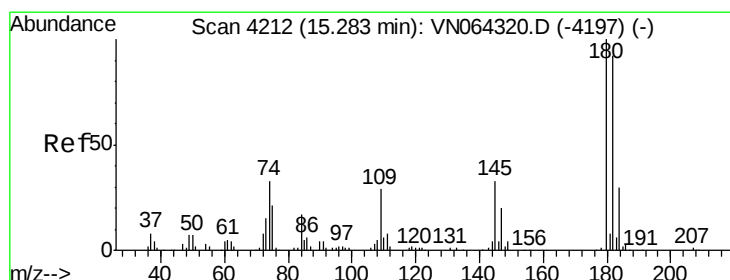
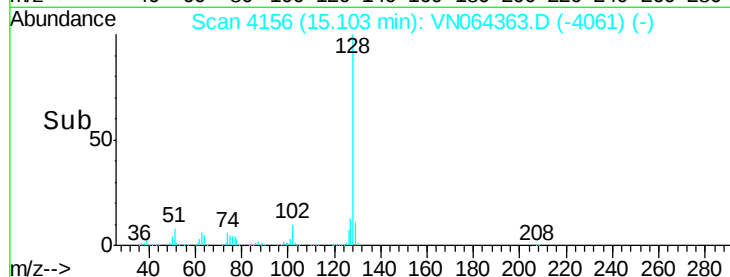
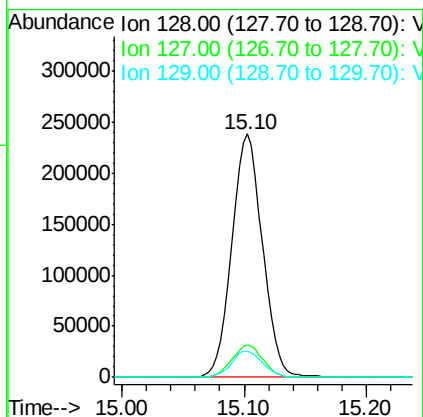
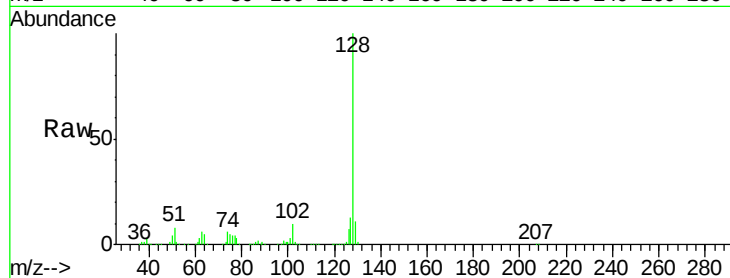
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 415362 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.5  | 10.4  | 15.6   |
| 129       | 11.2  | 8.6   | 13.0   |

Manual Integrations  
APPROVED

MMDadoda  
10/29/2020 12:01:44 PM



#96

1,2,3-Trichlorobenzene

Concen: 40.976 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064363.D

Acq: 28 Oct 2020 19:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 127202 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.1  | 46.1  | 138.3  |
| 145       | 33.8  | 16.2  | 48.5   |

